



Industrial Hose Products Catalog

NAHAD
Industrial Hose
Listed Manufacturer

GOODYEAR

GOODYEAR
RUBBER PRODUCTS INC.

Call Toll Free: **1-866-711-4673**
WebSales@GoodyearRubberProducts.com

**We Ship
World Wide**

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

NEW PRODUCTS

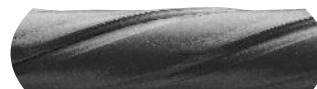
FLEXWING VERSAFUEL™ FUEL HOSE



APPLICATION: For use in tank truck and in-plant operations to transfer diesel, biodiesel blends, ethanol blends, gasoline, oil and petroleum base products up to 60% aromatic content.

See page 156a for detailed product information.

SPIRAFLOW®



APPLICATION: Designed specifically for the pressure washer industry. A pressure washer hose that reduces damming which can cause clean spots. Ideal for surface cleaning applications.

See page 46 for detailed product information.

DOCK HOSE WITH RFID CHIPS



APPLICATION: Assembled with InfoChip's RFID chip technology, Goodyear's Dock Hose assemblies improve hose information sharing, accuracy in hose identification, and efficiency in hose tracking and servicing.

MAXXIM® PREMIER PLUS™ STAGE II BALANCE VENTURI PUMP HOSE



APPLICATION: Gas dispensing hose that incorporates a Venturi pump in the protected confines of the inner fuel hose coupling to keep the vapor path open in the outer hose, preventing gasoline from accumulating in the bottom loop of the vapor hose.



NEW PROGRAMS

HD RATIONALIZATION

HEAVY DUTY AIR HOSE RATIONALIZATION

If you previously ordered:		We suggest you order:	
Ortac II	549-153	Explorer Air	536-509
Ultradraid Air Yellow	536-599	Explorer Plus Air	536-508
Ultradraid Air Green	536-599	Explorer Plus Air	536-508
Ultradraid HD Plus Yellow	536-599	Explorer Plus Air	536-508
Ultradraid HD Plus Green	536-599	Explorer Plus Air	536-508
Explorer Plus Air	536-599	Explorer Plus Air	536-317
Plicord Air Yellow	536-599	Explorer Plus Air	536-317
Plicord Super Rock Drill	549-258	Plicord Super Rock Drill	549-285
Plicord Rock Drill	549-260	Plicord Super Rock Drill	549-285
Ultradraid Steel Air	539-159	Steel Air	539-159
Ultradraid Bull Hose	539-158	Steel Air	539-159
Plicord Steel Air	549-001	Steel Air	549-209
Super Ortac	539-152	Super Ortac	539-152
Ultradraid Supreme	539-156, 539-157	Super Ortac	539-152

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



INDUSTRIAL HOSE PRODUCTS

APPLICATION WARNING

The products in this catalog have been tested under controlled laboratory conditions to meet specific test criteria. These tests are not intended to reflect the performance of the product or any other material in any specific application, but are intended to provide the user with application guidelines. The products are intended for use by knowledgeable persons having the technical skills necessary to evaluate their suitability for specific applications.

Since The Goodyear Tire & Rubber Company has no control over the number and variety of applications for which its products may be purchased or the conditions under which its products may be used by others, Goodyear assumes no responsibility for performance results and applications. This catalog, however, contains available information to allow the user to determine the product's acceptability and fitness for specific applications. No statement contained herein shall be construed as a license to operate, or as a recommendation or inducement to infringe existing patents or as an endorsement of products of specific manufacturers or systems.

Failure to follow procedures for selection, installation, care, maintenance and storage of hoses may result in the hose's failure to perform properly and may result in damage to property and/or serious injury. Please refer to the General Information section of the catalog for hose care, maintenance, and storage information.

All product design, dimensional, and general information in this catalog is subject to change without prior notice. Working pressures and other technical information have been prepared from actual test results and other data considered to be reliable. However, Goodyear assumes no responsibility for the accuracy of this information under varied conditions found in field use.

CHEMICAL HOSE

Do not use chemical hose at temperatures or pressures above those recommended by the manufacturer. All operators must be thoroughly trained in the care and use of this hose and must, at all times, wear protective clothing. A hose or system failure could cause the release of poisonous, corrosive or flammable material.

Detailed information concerning storage, care and maintenance may be found in the Hose Handbook published by the Rubber Manufacturer's Association, 1400 K Street, N.W., Washington, D.C. 20005 and in SAE Recommended Practices J1273.



INDUSTRIAL HOSE PRODUCTS

Table of Contents

New Products	I-II
Application Warning	III
Quotation Provisions	2
Index by Alphabet	3-5
Index by Application	6-8
Goodyear Industrial Hose Products:	
Air & Multipurpose	
General Purpose	9-22
Heavy Duty	23-29
Push-on	30-35
Chemical Transfer	36-44
Cleaning Equipment	45-55
Food	
Transfer	56-71
Washdown	72-79
Marine	80-88
Material Handling	
Abrasives	89-106
Bulk Transfer	107-114
Cement & Concrete	115-119
Mining	120-128
Petroleum	
Aircraft Fueling	129-134
Dispensing	135-146
Dock	147-155
Transfer	156-170
Spray	171-173
Steam	174-180
Vacuum	181-186
Water	
Discharge	187-198
Suction & Discharge	199-209
Washdown	210-213
Welding	214-220
Coupling Systems	221-235
Appendix	
Additional Products	236-239
Chemical Resistance Charts	240-267
General Information	
Chemical Properties of FEP	268
Temperature Range by Application	269-273
Method for Steam Cleaning	273
Paladin Drop Hose Coupling Procedure	274
Basic Hose Construction	275-276
Hose End Definitions and Illustrations with Cutaways	277-278
Elastomers Used in Product Manufacture	279-280
Selection of Proper Industrial Hose	281-282
Hose Testing Methods	283-285
Hose Care, Maintenance and Storage Information	286-287
Useful Tables and Conversion Charts	288-296
RMA Oil and Gas Resistance Definition	297
FDA Food Hose Compliance Information	298
Precautions for Welding Hose Use/Background Information	299
Minimum Run Requirements	300



INDUSTRIAL HOSE PRODUCTS

QUOTATION PROVISIONS

PREFACE: THE INFORMATION HEREIN CONTAINED CONSTITUTES AN OFFER OR A REVISION TO AN OFFER, AS APPLICABLE (COLLECTIVELY HEREIN "QUOTATION"). ANY PRIOR RECEIPT BY CUSTOMER FROM ANY OTHER SOURCE OF ALL OR PART OF THE INFORMATION HEREIN IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT AN OFFER. THIS QUOTATION IS EXPRESSLY MADE SUBJECT TO AND IS STRICTLY LIMITED TO THE QUOTATION PROVISIONS AND THE TERMS AND CONDITIONS OF SALE STATED IN GOODYEAR'S ORDER CONFIRMATION ("GOODYEAR'S TERMS") AND ANY INCONSISTENT TERMS OR CONDITIONS CONTAINED IN CUSTOMER'S ACCEPTANCE, ORDER OR OTHER COMMUNICATIONS ARE SPECIFICALLY OBJECTED TO AND DISCLAIMED AND FURTHER NO AMENDMENTS OR MODIFICATIONS OF OR SUPPLEMENTS TO THESE QUOTATION PROVISIONS WILL BE VALID AND BINDING UPON GOODYEAR UNLESS SUCH AMENDMENT, MODIFICATION OR SUPPLEMENT IS MUTUALLY AGREED TO IN WRITING AND SIGNED BY AN OFFICER OF GOODYEAR AND AN AUTHORIZED REPRESENTATIVE OF CUSTOMER. IN THE EVENT OF ANY INCONSISTENCY BETWEEN THESE QUOTATION PROVISIONS AND THE PROVISIONS REFERENCED IN THE QUOTATION OR ON ANY SUPPLEMENT ATTACHED HERETO, THE PROVISION REFERENCED IN THE QUOTATION OR ANY SUCH SUPPLEMENT SHALL CONTROL. CUSTOMER'S ACCEPTANCE OF ANY DELIVERY UNDER ANY ACCEPTANCE OF THIS QUOTATION, OR PRIOR TO DELIVERY, CUSTOMER'S INSTRUCTIONS TO GOODYEAR TO COMMENCE PERFORMANCE, SHALL CONSTITUTE CUSTOMER'S AGREEMENT TO GOODYEAR'S TERMS. THE QUOTATION PROVISIONS ARE SUBJECT TO THE DEFINITIVE AMPLIFICATION OF GOODYEAR'S TERMS, A COPY OF WHICH IS AVAILABLE FROM GOODYEAR UPON REQUEST. ANY ACCEPTANCE OF THIS QUOTATION MUST REFER TO GOODYEAR'S QUOTATION NUMBER.

1. Price Lists. Price quotations are subject to all the provisions of Goodyear's price list, if there is a price list covering quoted goods. Price lists, prices and quotations are subject to change without notice. Goodyear may increase prices or change availability dates in accepted orders by notifying Customer prior to shipment. Subject to these Quotation Provisions, goods will be billed at prices in effect at the time of shipment. In this event, Customer may either accept the changes or cancel any undelivered portion of the order by written notice to Goodyear delivered not more than 10 calendar days after notification of the increase or change in availability dates. Upon such cancellation, Customer shall have no liability for the canceled portion of the order except as to goods then manufactured or in process, components procured from outside sources, and special tooling and equipment procured for performance of the order. All prices are subject to increase from time to time to compensate for any tax, excise or levy imposed upon the goods sold, or upon the manufacture, sale, transportation or delivery of them, or whenever any tax, excise, levy, law or governmental regulation has the effect, directly or indirectly, of increasing the cost of manufacture, sale, or delivery. If any government law or action should have the effect of establishing a maximum price on goods to be delivered, Goodyear may, at its option and without liability to Customer, terminate its obligation with respect to future shipments upon thirty (30) calendar days' written notice.

2. Product sold hereunder manufactured by Goodyear meets agreed specifications according to established tests performed under controlled laboratory conditions and specific test requirements. These tests are not intended to reflect the performance of the product under actual conditions. Performance of the product as a component in a finished product may not necessarily meet the test requirements. Due to the number and variety of applications for which any product sold hereunder may be purchased and because Goodyear has no control over (or knowledge of) the conditions under which the product may be used by others, GOODYEAR DOES NOT RECOMMEND SPECIFIC APPLICATIONS OR PRODUCT DESIGNS OR ASSUME RESPONSIBILITY FOR USE RESULTS OBTAINED OR SUITABILITY FOR SPECIFIC APPLICATIONS. No statement contained herein shall be construed as a license to operate, or as a recommendation or inducement to infringe existing patents or as an endorsement of products of specific manufacturers or systems.

3. NO RELIANCE. CUSTOMER ACKNOWLEDGES THE USE OF ITS OWN KNOWLEDGE, SKILL, JUDGMENT, EXPERTISE AND EXPERIENCE IN (i) the selection of the product and/or (ii) in the selection, provision, or designation of any specification or set of specifications for a product agreed upon by Customer and Goodyear; and CUSTOMER ACKNOWLEDGES THAT CUSTOMER DOES NOT RELY AND IS NOT RELYING ON ANY ORAL OR WRITTEN STATEMENTS, REPRESENTATIONS, OR SAMPLES MADE OR PRESENTED BY GOODYEAR, ITS EMPLOYEES, AGENTS AND/OR REPRESENTATIVES TO CUSTOMER. CUSTOMER ACKNOWLEDGES THAT CUSTOMER DOES NOT RELY AND IS NOT RELYING ON ANY KNOWLEDGE, SKILL, JUDGMENT, EXPERTISE OR EXPERIENCE OF GOODYEAR, ITS EMPLOYEES, AGENTS AND/OR REPRESENTATIVES IN CUSTOMER'S SELECTION OF THE PRODUCT OR IN CUSTOMER'S SELECTION, PROVISION OR DESIGNATION OF ANY SPECIFICATION OR SET OF SPECIFICATIONS. Without limiting the foregoing, CUSTOMER ACKNOWLEDGES THAT GOODYEAR SHALL NOT BE LIABLE FOR, AND CUSTOMER ASSUMES ALL RISK OF, INACCURATE OR UNSUITABLE SPECIFICATIONS OR INFORMATION PROVIDED, SELECTED OR DESIGNATED BY CUSTOMER.

4. LIMITATION OF WARRANTY. PRODUCT NOT MANUFACTURED BY GOODYEAR IS SOLD WITHOUT WARRANTY, "AS-IS", AND IS SUBJECT TO THE LIMITATION OF LIABILITY SET FORTH IN SECTION 5. SUBJECT TO THE LIMITATIONS OF SECTION 5 AND UNLESS OTHERWISE EXPRESSLY PROVIDED HEREIN, product sold hereunder that has been manufactured by Goodyear, unless sold without warranty "AS IS", is warranted to be free from defects in material and workmanship. Subject to the preceding sentence, and except as otherwise expressly provided herein, GOODYEAR MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, AS TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ANY OTHER MATTER WITH RESPECT TO THE PRODUCT OR ANY OTHER PRODUCT SOLD HEREUNDER, WHETHER USED ALONE OR IN COMBINATION WITH ANY OTHER MATERIAL OR PRODUCT OR IN ANY PROCESS. GOODYEAR SHALL NOT BE LIABLE FOR SPECIAL, INCIDENTAL AND/OR CONSEQUENTIAL DAMAGES, EVEN IF GOODYEAR HAS BEEN NOTIFIED OF THE POTENTIAL OF SUCH A LOSS OR CLAIM. OTHER THAN THOSE SPECIFICALLY SET FORTH HEREIN, THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION OF THE PRODUCTS ON THE FACE HEREOF, EITHER EXPRESS OR IMPLIED.

5. LIMITATION OF LIABILITY OF GOODYEAR AND EXCLUSIVE REMEDY. Any Goodyear-manufactured product claimed to be defective in material or workmanship shall, upon Goodyear's approval, be returned to Goodyear as designated, at the Customer's expense. GOODYEAR WILL, AS THE EXCLUSIVE REMEDY, MAKE AN ADJUSTMENT FOR PRODUCT IT FINDS TO BE DEFECTIVE IN MATERIAL OR WORKMANSHIP EITHER BY REPAIRING IT OR REPLACING IT AT AN ADJUSTMENT PRICE, OR IN LIEU THEREOF, AT GOODYEAR'S OPTION, GOODYEAR MAY REFUND THE PURCHASE PRICE UPON RETURN OF THE PRODUCT. Whenever a warranty for a specific product provides that no adjustment shall be made after a specified period of time, Goodyear shall not be responsible under the terms of such warranty unless claim is made within such period of time. GOODYEAR'S TOTAL RESPONSIBILITY AND LIABILITY FOR ANY AND ALL CLAIMS, LOSSES AND DAMAGES OF ANY KIND WHATSOEVER ARISING OUT OF ANY CAUSE WHATSOEVER (WHETHER UNDER ANY WARRANTY OR BASED IN CONTRACT, NEGLIGENCE, OTHER TORT, STRICT LIABILITY, BREACH OF WARRANTY, OTHER THEORY OR OTHERWISE) SHALL NOT EXCEED THE ORIGINAL PURCHASE PRICE OF THE PRODUCTS IN RESPECT TO WHICH SUCH CAUSE ARISES, AND IN NO EVENT SHALL GOODYEAR BE LIABLE FOR SPECIAL, INCIDENTAL, CONSEQUENTIAL, EXEMPLARY, OR PUNITIVE DAMAGES RESULTING FROM ANY SUCH CAUSE. NO EMPLOYEE, AGENT AND/OR REPRESENTATIVE HAS AUTHORITY TO MAKE ANY REPRESENTATION, PROMISE OR AGREEMENT, EXCEPT AS STATED HEREIN. GOODYEAR SHALL NOT BE LIABLE FOR, AND CUSTOMER ASSUMES ALL LIABILITY FOR, ALL PERSONAL INJURY AND PROPERTY DAMAGE CONNECTED WITH THE HANDLING, TRANSPORTATION, OR FURTHER MANUFACTURE, FABRICATION, ASSEMBLY, OR PROCESSING OF THE PRODUCT.

6. Goodyear shall not be liable or deemed in default for failure to deliver or delay in delivery due to any cause beyond its reasonable control. If unable to meet delivery schedules, Goodyear will endeavor to allocate material fairly among its Customers, but reserves to itself final determination of the deliveries to be made without liability.

7. Goodyear will indemnify its Customer against all claims and demands for infringement of any United States patent by the product furnished under any accepted order provided the Customer notifies Goodyear of any patent infringement and upon request tenders Goodyear the defense of the claim. CUSTOMERS WHO FURNISH SPECIFICATIONS TO GOODYEAR AGREE TO HOLD GOODYEAR HARMLESS AGAINST ANY CLAIMS WHICH ARISE OUT OF GOODYEAR'S COMPLIANCE WITH SUCH CUSTOMER SPECIFICATIONS.

8. Title to the goods shall pass to Customer upon passage of the risk of loss; provided, however, that to the extent permitted by law, until each of the goods to be delivered hereunder has been paid for in full, Goodyear shall retain title to the goods; however, all risk of loss and responsibility for transportation and storage, taxes and duties shall transfer in accordance with these terms of sale. Notwithstanding any information shown in this Quotation regarding any estimated shipment, production or requested date(s) for the goods, Goodyear is not obligated to produce, deliver or ship the goods by that estimated shipment, production or requested date(s).

9. Due to the varying locations of the operations of Customer and Goodyear and the locations that may be involved in the performance and documentation of an order to which these Quotation Provisions are applicable, in order to settle upon and to eliminate any doubt as to the rights of the Customer and Goodyear, Customer and Goodyear agree that this Quotation shall be governed by and construed in accordance with the laws of the State of Ohio, United States of America, applicable to agreements to be performed in the State of Ohio, except that for sales or orders originating and to be performed in Canada by Canadian subsidiaries or affiliates of The Goodyear Tire & Rubber Company, Customer and Goodyear agree that this Quotation shall be governed by and construed in accordance with the laws of the Province of Ontario, Canada, applicable to agreements to be performed in Canada. Customer and Goodyear exclude the application of the United Nations Convention on Contracts for the International Sale of Goods to this Quotation.

EPD FORM 8-21-01



INDUSTRIAL HOSE PRODUCTS

INDUSTRIAL HOSE INDEX BY ALPHABET

Name	Properties	Page	Name	Properties	Page
A					
Advantage		132	Flexsteel Hardwall	UL	136
Agflex		201	Flexsteel Service Station Air		18
Aggie Gas		141	Flexsteel Vapor Assist	UL	137
Allcrete Textile (plaster, grout, & concrete)		117	Flextra Dry Material		111
Allcrete Wire		118	Flextra Oilfield		163
Ambassador	UL	142	Flextra Rock Dust	M	123
Arctic Ortac Plus		11	Flexwing Oilfield		162
Arctic Softwall	UL	143	Flexwing VersaFuel	I & 156a	
Artrac		94	Fortress 300	A	73
Autogrip	A, M, NC	31	Fortress 1000	A	74
			Fortress 3000	A	75
B			G		
BC Gasoline	UL	144	Galvanator 3000	A	55
BC Marina	UL	145	Gauntlet 1500	A	52
Black Softwall		108	Gauntlet 3000	A	53
Blue Flexwing		39	Gauntlet 4500	A	54
Braidair		22	Gemini Twin Line Welding (Grade R)		215
Brigade Mine	M	122	Gemini Twin Line Welding (Grade RM)	NC	216
Brown Flexwing		41	Gemini Twin Line Welding (Grade T)	NC	217
Blucor		92	Goodyear 250 Crimped Steam Assembly		178
Blucor Couplings		93	Gorilla	A, M, NC	10
			Gray Flextra LT	F	59
D			Green Hornet		200
Deadman Aircraft Refueling		133	Green XLPE		40
Diversiflex		95			
Diversipipe 75		96	H		
Diversipipe 150		97	Harvest	F	61
			Heavy Duty Steam Pile Driver		180
E			HI-PER		42
Explorer Air		25	Horizon 200		12-13
Explorer Plus Air		26	Horizon 250		12-13
Exstatic	F	60	Horizon 300		12-13
			Hot Tar & Asphalt Rough Bore		155
F			Hot Tar & Asphalt Smooth Bore		155
Fabchem		38			
Fire Engine Booster		193	I		
Flexdock 225		148	Insta-Grip 250	NC	33
Flexdock 300		149	Insta-Grip 300	NC	32
Flexible Downspout		98	Insta-Grip TC		34
Flexsteel 250 CB Steam		176	Insta-Lock Dust Cap		229
Flexsteel 250 ORS Steam		177	Insta-Lock Dust Plug		230
Flexsteel 250 Steam		175	Insta-Lock Gaskets		232

Properties Legend:



A - Superior Abrasion Resistance



M - USMSHA Approved



NC - Non Conductive



F - FDA, 3-A, & USDA Compliant



UL - Underwriter's Laboratory Approved



INDUSTRIAL HOSE PRODUCTS

INDUSTRIAL HOSE INDEX BY ALPHABET

Name	Properties	Page	Name	Properties	Page
Insta-Lock Interlocking Ferrules		.233	Ortac 250	.A, NC	.14-15
Insta-Lock Interlocking Stainless Steel NPT Male Hose Stem		.228	Ortac 300	.A, NC	.14-15
Insta-Lock Repair Kits		.231	Ortac 400	.A, NC	.14-15
Insta-Lock Type A Fitting		.222			
Insta-Lock Type B Fitting		.223	P		
Insta-Lock Type C Fitting		.224	Pacer	.UL	.140
Insta-Lock Type D Fitting		.225	Paladin		.158
Insta-Lock Type E Fitting		.226	Paladin Stainless Steel Crimp Sleeves		.234
Insta-Lock Type F Fitting		.227	Pathfinder Garden Hose		.194
			Plicord 250 Steam		.179
J			Plicord Air Green 400	.NC	.28
Jet Ranger		.131	Plicord Ammonium Nitrate Pellet		.125
			Plicord Arctic Flextra		.165
L			Plicord Arctic Flexwing		.164
Lightrac		.99	Plicord Auger Arc Piling		.116
			Plicord Blast (2 ply & 4 ply)		.90
M			Plicord Blue Flour	.F	.65
M&P Mine Conduit	.M	.124	Plicord Brewline	.F	.66
Marine Fuel Feed Vent			Plicord Con-Ag Water S&D		.207
USCG/SAE J1527 Type A2		.87	Plicord Dredge Sleeve		.100
Marine Fuel Feed Vent			Plicord Flexwing Petroleum		.157
USCG/SAE J1527 Type B2		.88	Plicord Fuel Discharge		.167
Marine Fuel Line			Plicord Furnace Door		.195
USCG/SAE J1527 & ISO 7840 Type A1		.86	Plicord Gray Food	.F	.58
Maxxim Premier	.UL	.138	Plicord Gunite (tan)	.NC	.119
Maxxim Premier Plus	.UL	.139	Plicord Hardwall Wet Exhaust		.81-82
Mine Spray	.M	.121	Plicord HD Industrial Vacuum		.185
			Plicord HD Water Discharge		.196
N			Plicord LW Black Flextra II		.161
Neptune 1500		.46a	Plicord Mine Conduit	.M	.126
Neptune 3000		.47	Plicord RVC		.101
Neptune 4001-R		.48	Plicord SAE J1527 Type A2 (fuel fill)		.85
Neptune 4500		.49	Plicord Sand Suction		.102
Neptune 6000		.50	Plicord Softwall Wet Exhaust		.83-84
NR Spray		.172	Plicord Super Black Flexwing		.160
Nutriflex	.F	.63	Plicord Super Rock Drill	.M	.27
Nutriflex Static Wire	.F	.64	Plicord Torridair Hot Air Blower		.109
Nutriflo	.F	.62	Plicord Vacuum (HD & LW)		.186
			Plicord Versiflo 125		.197
O			Plicord Washdown		.212
Orange Flexwing		.43	Plicord Waste Mate		.166
			Plicord Water Discharge 150		.198

Properties Legend:



A - Superior Abrasion Resistance



M - USMSHA Approved



NC - Non Conductive



F - FDA, 3-A, & USDA Compliant



UL - Underwriter's Laboratory Approved

INDUSTRIAL HOSE PRODUCTS

INDUSTRIAL HOSE INDEX BY ALPHABET

Name	Properties	Page	Name	Properties	Page
Plicord Water S&D		208	Spiraflex Red	M	191
Plicord Wineline	F	67	Spiraflex Rock Dust	M	128
Plicord XF Blast		91	Spiraflex Vacuum		184
Pliovic Ag Spray (1800 & 2400)		173	Spiraflex Yellow (Spiraflex 2700)	M	192
Pliovic FG (FDA-3A)	F	68	SpiraFlow	I & 46	
Pliovic GS	NC	20-21	Spirathane HD		104
Pliovic Plus 250	NC	20-21	Spirathane LD		106
Pliovic Plus 300	NC	20-21	Spirathane PT	F	105
Potable Water	F	69	Steel Air		24
Pressure Wash Fittings		235	Super Ortac	M	29
Premier		206	Sureline		211
Pulp & Paper Washdown		213			
Purple Flexwing		44	T		
Pyroflex II Hot Air		110	Tan Flextra	F	113
Pyroflex Hot Tar & Asphalt		169	Tan Flexwing	F	112
Pyroflex Hot Tar Wand		170	Tan Softwall	F	114
			Tanker Barge Discharge		152
R			Thor Submarine		154
Red Flextra		159			
Red Flextra 150		159	U		
Redwing Fuel Oil		146	Ultra-Grip	A, M, NC	35
Refueling Sensing		134			
			V		
S			Vapor Recovery Dock		153
SAE J1527 Type A2 (fuel fill)		85	Versiflo 150 Water S&D		209
Sandblast Deadman		103	Vintner	F	70
Sani-Wash 300		79	Viper	A	37
Service Station Air		19			
Smooth Bore Dock 200		150	W		
Smooth Bore Dock 300		151	White Flexwing	F	57
Spectra 300		76	Whitewater		51
Spectra 1000		77	Wingcraft		130
Spectra 3000		78	Wingfoot 200	NC	16-17
Spiraflex 1500		203	Wingfoot 300	NC	16-17
Spiraflex 1600		204	Wingfoot Welding (Grade R)		218
Spiraflex Aggie PVC		202	Wingfoot Welding (Grade RM)	NC	219
Spiraflex Blue		189	Wingfoot Welding (Grade T)		220
Spiraflex Cable Guard	M	127			
Spiraflex Ducting		183	Y		
Spiraflex Grassvac		182	Yukon		205
Spiraflex Gray (Primeline)		188			
Spiraflex Green	M	190			
Spiraflex Polyurethane Vapor Recovery		168			

Properties Legend:



A - Superior Abrasion Resistance



M - USMSHA Approved



NC - Non Conductive



F - FDA, 3-A, & USDA Compliant



UL - Underwriter's Laboratory Approved



INDUSTRIAL HOSE PRODUCTS

INDUSTRIAL HOSE INDEX BY APPLICATION

Name	Properties	Page	Name	Properties	Page
Air & Multipurpose: General Purpose					
Arctic Ortac		.11	Gauntlet 3000	.A	.53
Braidair		.22	Gauntlet 4500	.A	.54
Flexsteel Service Station Air		.18	Neptune 1500		.46a
Gorilla	.A, M, NC	.10	Neptune 3000		.47
Horizon 200		.12-13	Neptune 4001-R		.48
Horizon 250		.12-13	Neptune 4500		.49
Horizon 300		.12-13	Neptune 6000		.50
Ortac 250	.A, NC	.14-15	Spectra 1000		.77
Ortac 300	.A, NC	.14-15	Spectra 3000		.78
Ortac 400	.A, NC	.14-15	SpiraFlow	.I & 46	
Pliovic FG (FDA-3A)	.F	.68	Whitewater		.51
Pliovic GS	.NC	.20-21	Food: Food Transfer		
Pliovic Plus 250	.NC	.20-21	Exstatic	.F	.60
Pliovic Plus 300	.NC	.20-21	Gray Flextra LT	.F	.59
Service Station Air		.19	Harvest	.F	.61
Wingfoot 200	.NC	.16-17	Nutriflex	.F	.63
Wingfoot 300	.NC	.16-17	Nutriflex Static Wire	.F	.64
Air & Multipurpose: Heavy Duty			Nutriflo	.F	.62
Explorer Air		.25	Plicord Blue Flour	.F	.65
Explorer Plus Air		.26	Plicord Brewline	.F	.66
Plicord Air Green 400	.NC	.28	Plicord Gray Food	.F	.58
Steel Air		.24	Plicord Wineline	.F	.67
Plicord Super Rock Drill	.M	.27	Pliovic FG (FDA-3A)	.F	.68
Super Ortac	.M	.29	Potable Water	.F	.69
Air & Multipurpose: Push-on			Spirathane PT	.F	.105
AutoGrip	.A, M, NC	.31	Vintner	.F	.70
Insta-Grip 250	.NC	.33	White Flexwing	.F	.57
Insta-Grip 300	.NC	.32	Food: Food Washdown		
Insta-Grip TC		.34	Fortress 300	.A	.73
Ultra-Grip	.A, M, NC	.35	Fortress 1000	.A	.74
Chemical Transfer			Fortress 3000	.A	.75
Blue Flexwing		.39	Gauntlet 1500	.A	.52
Brown Flexwing		.41	Plicord Washdown		.212
Fabchem		.38	Sani-Wash 300		.79
Green XLPE		.40	Spectra 300		.76
HI-PER		.42	Spectra 1000		.77
Orange Flexwing		.43	Spectra 3000		.78
Purple Flexwing		.44	Marine		
Viper	.A	.37	Marine Fuel Feed Vent Hose		
Cleaning Equipment			USCG/SAE J1527 Type A2		.87
Fortress 1000	.A	.74	Marine Fuel Feed Vent Hose		
Fortress 3000	.A	.75	USCG/SAE J1527 Type B2		.88
Galvanator 3000	.A	.55	Marine Fuel Line		
Gauntlet 1500	.A	.52	USCG/SAE J1527 & ISO 7840 Type A1119		.86
			Plicord Hardwall Wet Exhaust		.81-82
			Plicord SAE J1527 Type A2 (fuel fill)		.85

Properties Legend:



A - Superior Abrasion Resistance



M - USMSHA Approved



NC - Non Conductive



F - FDA, 3-A, & USDA Compliant



UL - Underwriter's Laboratory Approved



INDUSTRIAL HOSE PRODUCTS

INDUSTRIAL HOSE INDEX BY APPLICATION

Name	Properties	Page	Name	Properties	Page
Plicord Softwall Wet Exhaust		83-84			
Material Handling: Abrasives			Petroleum: Aircraft Fueling		
Artrac		94	Advantage		132
Blucor		92	Deadman Aircraft Refueling		133
Blucor Couplings		93	Jet Ranger		131
Diversiflex		95	Refueling Sensing		134
Diversipipe 75		96	Wingcraft		130
Diversipipe 150		97			
Flexible Downspout		98	Petroleum: Petroleum Dispensing		
Lightrac		99	Aggie Gas		141
Nutriflex Static Wire	F	64	Ambassador	UL	142
Plicord Blast (2 ply & 4 ply)		90	Arctic Softwall Plus	UL	143
Plicord Dredge Sleeve		100	BC Gasoline	UL	144
Plicord RVC		101	BC Marina	UL	145
Plicord Sand Suction		102	Flexsteel Hardwall	UL	136
Plicord XF Blast (2 ply & 4 ply)		91	Flexsteel Vapor Assist	UL	137
Sandblast Deadman		103	Maxxim Premier	UL	138
Spirathane HD		104	Maxxim Premier Plus	UL	139
Spirathane LD		106	Pacer	UL	140
Spirathane PT	F	105	Redwing Fuel Oil		146
Material Handling: Bulk Transfer			Petroleum: Petroleum Dock Hose		
Black Softwall		108	Flexdock 225		148
Exstatic	F	60	Flexdock 300		149
Flextra Dry Material		111	Hot Tar & Asphalt Rough Bore		155
Harvest	F	61	Hot Tar & Asphalt Smooth Bore		155
Plicord Torridair Hot Air Blower		109	Smooth Bore Dock 200		150
Pyroflex II Hot Air		110	Smooth Bore Dock 300		151
Tan Flextra	F	113	Tanker Barge Discharge		152
Tan Flexwing	F	112	Thor Submarine		154
Tan Softwall	F	114	Vapor Recovery Dock		153
Material Handling: Cement & Concrete			Petroleum: Petroleum Transfer		
Allcrete Textile (plaster, grout & concrete)		117	Flextra Oilfield		163
Allcrete Wire		118	Flexwing Oilfield		162
Plicord Auger Arc Piling		116	Flexwing VersaFuel	I & 156a	
Plicord Guniting (tan)	NC	119	Paladin		158
Mining			Plicord Arctic Flextra		165
Brigade Mine	M	122	Plicord Arctic Flexwing		164
Flextra Rock Dust	M	123	Plicord Flexwing Petroleum		157
M&P Mine Conduit	M	124	Plicord Fuel Discharge		167
Mine Spray	M	121	Plicord LW Black Flextra II		161
Plicord Ammonium Nitrate Pellet		125	Plicord Super Black Flexwing		160
Plicord Mine Conduit	M	126	Plicord Waste Mate		166
Spiraflex Cable Guard	M	127	Pyroflex Hot Tar & Asphalt		169
Spiraflex Rock Dust	M	128	Pyroflex Hot Tar Wand		170
Spiraflex Yellow (Spiraflex 2700)	M	192	Red Flextra		159
			Red Flextra 150		159

Properties Legend:



A - Superior Abrasion Resistance



M - USMSHA Approved



NC - Non Conductive



F - FDA, 3-A, & USDA Compliant



UL - Underwriter's Laboratory Approved



INDUSTRIAL HOSE PRODUCTS

INDUSTRIAL HOSE INDEX BY APPLICATION

Name	Properties	Page	Name	Properties	Page
Redwing Fuel Oil146	Premier206
Spiraflex Polyurethane Vapor Recovery168	Spiraflex Aggie PVC202
Spray Hose			Spiraflex 1500203
Mine Spray	M	.121	Spiraflex 1600204
NR Spray172	Versiflo 150 Water S&D209
Plivovic Ag Spray (1800 & 2400)173	Yukon205
Steam Hose			Water Washdown Hose		
Flexsteel 250 CB Steam176	Fortress 300	A	.73
Flexsteel 250 ORS Steam177	Fortress 1000	A	.74
Flexsteel 250 Steam175	Fortress 3000	A	.75
Goodyear 250 Crimped Steam Assembly178	Gauntlet 1500	A	.52
Heavy Duty Steam Pile Driver180	Plicord Washdown212
Plicord 250 Steam179	Pulp & Paper Washdown213
Whitewater51	Sani-Wash 30079
Vacuum Hose			Spectra 30076
Artrac94	Spectra 100077
Lightrac99	Spectra 300078
Plicord HD Industrial Vacuum185	Sureline211
Plicord Vacuum (HD & LW)186	Welding Hoses		
Spiraflex Ducting182	Gemini Twin Line Welding (Grade R)215
Spiraflex Grassvac183	Gemini Twin Line Welding (Grade RM)	NC	.216
Spiraflex Vacuum184	Gemini Twin Line Welding (Grade T)	NC	.217
Spirathane HD104	Wingfoot Welding (Grade R)218
Spirathane LD106	Wingfoot Welding (Grade RM)219
Spirathane PT	F	.105	Wingfoot Welding (Grade T)220
Water Discharge Hose			Coupling Systems		
Brigade Mine	M	.122	Insta-Lock Dust Cap229
Fire Engine Booster193	Insta-Lock Dust Plug230
Pathfinder Garden Hose194	Insta-Lock Gaskets232
Plicord Furnace Door195	Insta-Lock Interlocking Ferrules233
Plicord HD Water Discharge196	Insta-Lock Interlocking Stainless Steel Male NPT Hose Stem228
Plicord Versiflo 125197	Insta-Lock Repair Kits231
Plicord Water Discharge 150198	Insta-Lock Type A Fitting222
Potable Water	F	.69	Insta-Lock Type B Fitting223
Spiraflex Blue189	Insta-Lock Type C Fitting224
Spiraflex Gray (Primeline)188	Insta-Lock Type D Fitting225
Spiraflex Green	M	.190	Insta-Lock Type E Fitting226
Spiraflex Red	M	.191	Insta-Lock Type F Fitting227
Spiraflex Yellow (Spiraflex 2700)	M	.192	Paladin Stainless Steel Crimp Sleeves235
Water Suction & Discharge Hose			Pressure Wash Fittings234
Agflex201			
Green Hornet200			
Plicord Con-Ag Water S&D207			
Plicord Water S&D208			

Properties Legend:



A - Superior Abrasion Resistance



M - USMSHA Approved



NC - Non Conductive



F - FDA, 3-A, & USDA Compliant



UL - Underwriter's Laboratory Approved





GENERAL PURPOSE

	Page	Superior Abrasion Cover	MSHA	Non-conductive	Oil Resistance Tube*	Oil Resistance Cover*	Temp Range	Thermo-plastic	Rubber
Arctic Ortac® Plus	11				B	B	-65°F to 180°F		Yes
Braidair™	22				A	B	-20°F to 190°F		Yes
Flexsteel® Service Station Air	18				B	B	-20°F to 190°F		Yes
Gorilla®	10	Yes	Yes	Yes	A	A	-20°F to 190°F		Yes
Horizon® 200	12-13				C	C	-40°F to 190°F		Yes
Horizon® 250	12-13				C	C	-40°F to 190°F		Yes
Horizon® 300	12-13				C	C	-40°F to 190°F		Yes
Ortac® 250	14-15	Yes		Yes	A	A	-20°F to 190°F		Yes
Ortac® 300	14-15	Yes		Yes	A	A	-20°F to 190°F		Yes
Ortac® 400	14-15	Yes	Yellow only	Yes	A	A	-20°F to 190°F		Yes
Pliovic® FG (FDA-3A)	68			Yes	B	B	-10°F to 158°F	Yes	
Pliovic® GS	20-21			Yes	B	B	-10°F to 158°F	Yes	
Pliovic® Plus 250 & 300	20-21			Yes	B	B	-10°F to 158°F	Yes	
Service Station Air	19			Yes	C	C	-40°F to 190°F		Yes
Wingfoot® 200	16-17			Yes	A	B	-20°F to 190°F		Yes
Wingfoot® 300	16-17			Yes	A	B	-20°F to 190°F		Yes

*Based on RMA oil classification, see page 297 for more information.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food Transfer
 Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
 Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction & Discharge
 Washdown

Welding

Coupling Systems

Appendix
Additional Products
Chemical Charts
General Information
 Minimum Run Requirements



**Air &
Multipurpose
General Purpose**
Heavy Duty
Push-on

GENERAL PURPOSE

GORILLA®



GORILLA BY **GOODYEAR**



APPLICATION:

A premium-quality, multipurpose industrial hose with a wide range of applications in factories, construction, agriculture, quarries, mines, railroads, the oil and gas industry, and shipbuilding. All sizes are rated at 500 psi (3.4 Mpa) maximum working pressure. Nonconductive, minimum electrical resistance greater than one (1) megohm per inch of hose length at 1000 Volts DC.

CONSTRUCTION

TUBE:

Nitrile synthetic rubber, RMA Class A (High Oil Resistance)

COVER:

Yellow Carbryn® synthetic rubber, RMA Class A (High Oil Resistance)
MSHA approved

REINFORCEMENT:

Spiral Flexten® yarn, 2" is braided synthetic yarn

TEMPERATURE:

-20°F to 190°F (-29°C to 88°C)

PACKAGING:

3/16"-3/4"	500' reels, maximum 3 pieces, 50' increments
1"	450' reels, maximum 3 pieces, 50' increments
1 1/4"	250'-450' reels, maximum 3 pieces, 50' increments
1 1/2"	150'-350' reels, maximum 3 pieces, 50' increments
2"	200' carton, maximum 3 pieces, 50' increments

Coupled assemblies available: 1/4", 3/8", 1/2", and 3/4".

BRANDING:

Continuous brand example Gorilla 1" (25.4 mm) 500 psi. Made in USA by Goodyear™. Flame Resistant USMSHA No. 2G-14C/14.

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

569-035 536-446 (2")

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
3/16	4.8	0.47	11.9	500	3.45	0.08	0.12
1/4	6.4	0.61	15.5	500	3.45	0.17	0.25
5/16	7.9	0.69	17.5	500	3.45	0.20	0.30
3/8	9.5	0.73	18.6	500	3.45	0.22	0.33
1/2	12.7	0.89	22.6	500	3.45	0.28	0.42
5/8	15.9	1.06	26.9	500	3.45	0.35	0.52
3/4	19.1	1.19	30.2	500	3.45	0.41	0.61
1	25.4	1.50	37.8	500	3.45	0.58	0.86
1 1/4	31.8	1.77	45.6	500	3.45	0.79	1.18
1 1/2	38.1	2.04	51.8	500	3.45	0.86	1.27
2	50.8	2.62	66.6	500	3.45	1.22	1.76



Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products

Chemical Charts
General
Information
Minimum Run
Requirements

GENERAL PURPOSE

ARCTIC ORTAC® PLUS



APPLICATION:	A low-temperature hose construction for air, water, oil, kerosene, fuel oil and some chemical operations where temperatures fall as low as -65°F (-54°C).
CONSTRUCTION	
TUBE:	Black low-temp, ECO oil-resistant synthetic rubber, RMA Class A (High Oil Resistance)
COVER:	Black ultra-low temperature, ECO oil resistant synthetic rubber (with a blue stripe), RMA Class A (High Oil Resistance)
REINFORCEMENT:	Textile one-braid synthetic yarn
TEMPERATURE:	-65°F to 180°F (-54°C to 82°C)
PACKAGING:	500' reels, maximum 3 pieces, 50' minimum length
BRANDING:	Continuous brand example 9.5mm 3/8" Arctic Ortac Plus 2.1 MPA/300 PSI Goodyear™ Made in the U.S.A.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	536-275

ID		NOM. OD		MAX. WP		WEIGHT	
<i>in.</i>	<i>mm.</i>	<i>in.</i>	<i>mm.</i>	<i>psi.</i>	<i>Mpa.</i>	<i>lb./ft.</i>	<i>kg./m.</i>
1/4	6.4	0.63	16.0	300	2.07	0.16	0.22
3/8	9.5	0.75	19.1	300	2.07	0.20	0.28
1/2	12.7	0.91	23.1	300	2.07	0.27	0.37
3/4	19.1	1.18	30.0	300	2.07	0.40	0.54
1	25.4	1.50	38.1	300	2.07	0.57	0.86

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional Products
Chemical Charts
General Information
Minimum Run Requirements



**Air &
Multipurpose
General Purpose**
*Heavy Duty
Push-on*

Chemical
Transfer

Cleaning
Equipment

Food
*Transfer
Washdown*

Marine

Material Handling
*Abrasives
Bulk Transfer
Cement & Concrete*

Mining

Petroleum
*Aircraft Fueling
Dispensing
Dock
Transfer*

Spray

Steam

Vacuum

Water
*Discharge
Suction &
Discharge
Washdown*

Welding

Coupling
Systems

Appendix
*Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements*

GENERAL PURPOSE

HORIZON®



APPLICATION:

An economical air and water hose, Horizon is for a wide range of industrial, construction and agricultural applications. Available in 200, 250, and 300 PSI working pressures.

CONSTRUCTION

TUBE:

Versigard® synthetic rubber, RMA Class C (Limited Oil Resistance)

COVER:

Black, Red, Yellow, Green or Blue Versigard synthetic rubber

REINFORCEMENT:

Spiral synthetic yarn, 2" is braided

TEMPERATURE:

-40°F to 190°F (-40°C to 88°C)

PACKAGING:

3/16"-3/4"	500' reels, maximum 3 pieces, 50' increments
1"	450' reels, maximum 3 pieces, 50' increments
1 1/4"	400' reels, maximum 3 pieces, 50' increments
1 1/2"	300' reels, maximum 3 pieces, 50' increments
2"	200' cartons, maximum 3 pieces, 50' increments

Coupled assemblies available in 1/4", 3/8", 1/2", and 3/4" in red.

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

BRANDING:

Continuous brand example 1/2" Horizon by Goodyear™ XXX psi WP.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

See next page.



GENERAL PURPOSE

HORIZON® 200

ORDER CODES: 536-035 (2" black) 536-040 (2" red) 569-009 (black)
569-011 (red) 569-038 (yellow) 569-547 (blue)

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
3/16	4.8	0.44	11.2	200	1.38	0.08	0.12
1/4	6.4	0.50	12.7	200	1.38	0.09	0.13
5/16	7.9	0.58	14.7	200	1.38	0.12	0.18
3/8	9.5	0.67	17.0	200	1.38	0.15	0.22
1/2	12.7	0.81	20.6	200	1.38	0.20	0.30
5/8	15.9	0.97	24.6	200	1.38	0.27	0.40
3/4	19.1	1.12	28.5	200	1.38	0.34	0.51
1	25.4	1.44	36.8	200	1.38	0.54	0.80
1 1/4	31.8	1.73	44.0	200	1.38	0.75	1.12
1 1/2	38.1	1.98	50.3	200	1.38	0.86	1.28
2	50.8	2.50	63.5	200	1.38	1.16	1.73

HORIZON® 250

ORDER CODES: 569-010 (black) 569-012 (red) 569-039 (yellow)
569-506 (green) 569-548 (blue)

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1/4	6.4	0.53	13.5	250	1.72	0.11	0.16
5/16	7.9	0.59	15.0	250	1.72	0.13	0.19
3/8	9.5	0.70	17.8	250	1.72	0.17	0.25
1/2	12.7	0.84	21.3	250	1.72	0.22	0.33
5/8	15.9	0.98	24.9	250	1.72	0.27	0.40
3/4	19.1	1.14	29.0	250	1.72	0.35	0.52

HORIZON® 300

ORDER CODES: 569-516 (yellow) 569-557 (red) 569-560 (green)

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1/4	6.4	0.53	13.5	300	2.07	0.10	0.15
3/8	9.5	0.70	17.8	300	2.07	0.17	0.25
1/2	12.7	0.84	21.3	300	2.07	0.22	0.33
3/4	19.1	1.15	29.2	300	2.07	0.37	0.55
1	25.4	1.48	37.3	300	2.07	0.58	0.86

**Air &
Multipurpose
General Purpose**
*Heavy Duty
Push-on*

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
*Abrasives
Bulk Transfer
Cement & Concrete*

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
*General
Information
Minimum Run
Requirements*



**Air &
Multipurpose
General Purpose**
*Heavy Duty
Push-on*

 Chemical
Transfer

 Cleaning
Equipment

 Food
*Transfer
Washdown*

Marine

Material Handling

*Abrasives
Bulk Transfer
Cement & Concrete*

Mining

 Petroleum
*Aircraft Fueling
Dispensing
Dock
Transfer*

Spray

Steam

Vacuum

 Water
*Discharge
Suction &
Discharge
Washdown*

Welding

 Coupling
Systems

 Appendix
*Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements*

GENERAL PURPOSE


APPLICATION:

Goodyear's Ortac® (Oil Resistant Tube and Cover) is our most popular premium-quality multipurpose hose. Used in the most abusive industrial applications, Ortac will handle air, oil, water, kerosene and some chemicals. Nonconductive, minimum electrical resistance greater than one (1) megohm per inch of hose length; at 1000 Volts DC. Available in 250, 300 and 400 PSI working pressures. NOTE: Ortac 400 Yellow is USMSHA approved.

CONSTRUCTION
TUBE:

Nitrile synthetic rubber, RMA Class A (high oil resistance)

COVER:

Red or Yellow Carbryn® synthetic rubber, RMA Class A (high oil resistance)

REINFORCEMENT:

Spiral synthetic yarn, 2" is braided

TEMPERATURE:

-20°F to 190°F (-29°C to 88°C)

PACKAGING:

3/16"-3/4"	500' reels, maximum 3 pieces, 50' increments
1"	450' reels, maximum 3 pieces, 50' increments
1 1/4"	400' reels, maximum 3 pieces, 50' increments
1 1/2"	300' reels, maximum 3 pieces, 50' increments
2"	200' cartons, maximum 3 pieces, 50' increments

BRANDING:

Continuous brand example 1 1/2" (38.1 mm) Ortac XXX psi WP. Made in USA by Goodyear™.

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

See next page.



GENERAL PURPOSE

ORTAC® 250

ORDER CODES: 569-058 (1/4" - 1 1/2") red, 536-465 (2") red

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1/4	6.4	0.53	13.5	250	1.72	0.09	0.13
5/16	7.9	0.69	17.5	250	1.72	0.14	0.21
3/8	9.5	0.69	17.5	250	1.72	0.15	0.22
1/2	12.7	0.84	21.3	250	1.72	0.20	0.30
5/8	15.9	1.00	25.4	250	1.72	0.26	0.39
3/4	19.1	1.14	29.0	250	1.72	0.34	0.51
1	25.4	1.47	37.3	250	1.72	0.51	0.76
1 1/4	31.8	1.77	45.2	250	1.72	0.70	1.04
1 1/2	38.1	2.08	52.8	250	1.72	0.96	1.43
2	50.8	2.50	63.5	200	1.72	1.08	1.61

ORTAC® 300

ORDER CODES: 569-059 (red)

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
3/16	4.8	0.44	11.8	300	2.07	0.07	0.10
1/4	6.4	0.61	15.7	300	2.07	0.14	0.21
5/16	7.9	0.68	17.3	300	2.07	0.16	0.24
3/8	9.5	0.73	18.6	300	2.07	0.18	0.27
1/2	12.7	0.89	22.6	300	2.07	0.25	0.37
5/8	15.9	1.06	26.9	300	2.07	0.35	0.52
3/4	19.1	1.19	30.2	300	2.07	0.40	0.60
1	25.4	1.50	38.1	300	2.07	0.59	0.88
1 1/4	31.8	1.81	46.0	300	2.07	0.76	1.13
1 1/2	38.1	2.08	52.8	300	2.07	0.88	1.31

ORTAC® 400

ORDER CODES: 569-065 (yellow) (USMSHA rated) 569-066 (red)

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1/4	6.4	0.61	15.7	400	2.76	0.16	0.24
3/8	9.5	0.73	18.8	400	2.76	0.20	0.30
1/2	12.7	0.89	22.8	400	2.76	0.26	0.39
3/4	19.1	1.18	30.0	400	2.76	0.41	0.61
1	25.4	1.50	38.1	400	2.76	0.61	0.91

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



**Air &
Multipurpose
General Purpose**
*Heavy Duty
Push-on*

Chemical
Transfer

Cleaning
Equipment

Food
*Transfer
Washdown*

Marine

Material Handling
*Abrasives
Bulk Transfer
Cement & Concrete*

Mining

Petroleum
*Aircraft Fueling
Dispensing
Dock
Transfer*

Spray

Steam

Vacuum

Water
*Discharge
Suction &
Discharge
Washdown*

Welding

Coupling
Systems

Appendix
*Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements*

GENERAL PURPOSE

WINGFOOT®



APPLICATION:

A good-quality, economical general purpose hose for industrial air service, compressor lines, pneumatic tools, low-pressure spray and many other applications where the need for oil resistance is moderate. Nonconductive, minimum electrical resistance greater than one (1) megohm per inch of length of hose at 1000 V DC. Available in 200 and 300 PSI working pressures.

CONSTRUCTION

TUBE:

Nitrile synthetic rubber, RMA Class A (high oil resistance)

COVER:

Red, Blue, or Black Chemivic® synthetic rubber, RMA Class B (medium oil resistance)

REINFORCEMENT:

Spiral synthetic yarn

TEMPERATURE:

-20°F to 190°F (-29°C to 88°C)

PACKAGING:

3/16"–3/4"	500' reels, maximum 3 pieces, 50' increments
1"	450' reels, maximum 3 pieces, 50' increments
1 1/4"	400' reels, maximum 3 pieces, 50' increments
1 1/2"	300' reels, maximum 3 pieces, 50' increments

Coupled assemblies available in 1/4", 3/8", and 1/2" in red.

BRANDING:

Continuous brand example Wingfoot Nonconductive 1/2" (12.7 mm) XXX psi WP. Made in USA by Goodyear™.

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

See next page.



GENERAL PURPOSE

WINGFOOT® 200

ORDER CODES: 569-005 (black) 569-007 (red) 569-036 (blue)

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
3/16	4.8	0.44	11.2	200	1.38	0.07	0.10
1/4	6.4	0.53	13.5	200	1.38	0.10	0.15
5/16	7.9	0.63	16.0	200	1.38	0.14	0.21
3/8	9.5	0.69	17.5	200	1.38	0.15	0.22
1/2	12.7	0.84	21.3	200	1.38	0.21	0.31
5/8	15.9	1.00	25.4	200	1.38	0.27	0.40
3/4	19.1	1.13	28.7	200	1.38	0.38	0.57
1	25.4	1.47	37.3	200	1.38	0.58	0.86

WINGFOOT® 300

ORDER CODES: 569-006 (black) 569-008 (red) 569-037 (blue)

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1/4	6.4	0.54	13.7	300	2.07	0.14	0.21
5/16	7.9	0.64	16.3	300	2.07	0.18	0.27
3/8	9.5	0.69	17.5	300	2.07	0.19	0.28
1/2	12.7	0.86	21.8	300	2.07	0.26	0.39
5/8	15.9	1.02	25.9	300	2.07	0.33	0.49
3/4	19.1	1.19	30.2	300	2.07	0.42	0.63
1	25.4	1.50	38.1	300	2.07	0.62	0.92
1 ^{1/4}	31.8	1.77	45.6	250	1.72	0.84	1.25
1 ^{1/2}	38.1	2.08	53.2	250	1.72	1.04	1.55

**Air &
Multipurpose**
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
*Suction &
Discharge*
Washdown

Welding

Coupling
Systems

Appendix
*Additional
Products*
Chemical Charts
*General
Information*
*Minimum Run
Requirements*



**Air &
Multipurpose
General Purpose**

*Heavy Duty
Push-on*

Chemical
Transfer

Cleaning
Equipment

Food
*Transfer
Washdown*

Marine

Material Handling

*Abrasives
Bulk Transfer
Cement & Concrete*

Mining

Petroleum
*Aircraft Fueling
Dispensing
Dock
Transfer*

Spray

Steam

Vacuum

Water
*Discharge
Suction &
Discharge
Washdown*

Welding

Coupling
Systems

Appendix
*Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements*



GENERAL PURPOSE

FLEXSTEEL® SERVICE STATION AIR



APPLICATION:

A good-quality, economical general purpose hose for industrial air service, compressor lines, pneumatic tools, low-pressure spray and many other applications where the need for oil resistance is moderate. Nonconductive, minimum electrical resistance greater than one (1) megohm per inch of length of hose at 1000 V DC.

CONSTRUCTION

TUBE:

Nitrile synthetic rubber, RMA Class A (High Oil Resistance)

COVER:

Red, Blue or Black Chemivac® synthetic rubber, RMA Class B (medium/high oil resistance)

REINFORCEMENT:

Spiral synthetic yarn

TEMPERATURE:

-20°F to 190°F (-29°C to 88°C)

PACKAGING:

3/16"-3/4"	500' reels, maximum 3 pieces, 50' increments
1"	450' reels, maximum 3 pieces, 50' increments
1 1/4"	400' reels, maximum 3 pieces, 50' increments
1 1/2"	300' reels, maximum 3 pieces, 50' increments

Coupled assemblies available in 1/4", 3/8", and 1/2" in red.

BRANDING:

Continuous brand example Wingfoot Nonconductive 1 1/2" (38.1mm) 300 psi WP. Made in USA by Goodyear™.

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

ORDER CODES:

539-078 (red)	536-037 (1 1/4"-1 1/2")
569-037 (blue)	
539-097 (black)	

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1/4	6.4	0.61	15.5	250	1.72	0.18	0.28
3/8	9.5	0.72	18.3	250	1.72	0.23	0.34

GENERAL PURPOSE

SERVICE STATION AIR



APPLICATION:	For tire inflation service from towers, reels, or curb connections.
CONSTRUCTION	
TUBE:	Nitrile synthetic rubber, RMA Class B (Medium Oil Resistance)
COVER:	Red or Black nitrile synthetic rubber, abrasion- and oil-resistant, RMA Class B (Medium Oil Resistance)
REINFORCEMENT:	Braided (1) steel wire braid
TEMPERATURE:	-20°F to 190°F (-29°C to 88°C)
PACKAGING:	500' reels, maximum 3 pieces, 25' minimum
BRANDING:	Continuous brand example Goodyear™ 1/4" Flexsteel Service Station Air. Made in USA.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	569-018 (red) 539-097 (black)

ID		NOM. OD		MAX. WP		WEIGHT	
<i>in.</i>	<i>mm.</i>	<i>in.</i>	<i>mm.</i>	<i>psi.</i>	<i>Mpa.</i>	<i>lb./ft.</i>	<i>kg./m.</i>
1/4	6.4	0.59	15.0	250	1.72	0.16	0.24
3/8	9.5	0.71	18.0	250	1.72	0.21	0.31

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional Products
Chemical Charts
General Information
Minimum Run Requirements



**Air &
Multipurpose
General Purpose**
*Heavy Duty
Push-on*

Chemical
Transfer

Cleaning
Equipment

Food
*Transfer
Washdown*

Marine

Material Handling
*Abrasives
Bulk Transfer
Cement & Concrete*

Mining

Petroleum
*Aircraft Fueling
Dispensing
Dock
Transfer*

Spray

Steam

Vacuum

Water
*Discharge
Suction &
Discharge
Washdown*

Welding

Coupling
Systems

Appendix
*Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements*

GENERAL PURPOSE

PLIOVIC®



APPLICATION:

A lightweight, economical general purpose hose for carrying air, water and many spray solutions. Pliovic is suitable for a wide range of industrial, construction, agricultural hand sprayers and many multipurpose applications. Nonconductive, minimum electrical resistance greater than one (1) megohm per inch of hose length at 1000 Volts DC. Available in Pliovic GS construction or a thick cover, Pliovic Plus construction.

CONSTRUCTION

TUBE:

Black Pliovic, RMA Class B (Medium Oil Resistance)

COVER:

Plioivic, smooth finish, RMA Class B (Medium Oil Resistance)

REINFORCEMENT:

Spiral synthetic yarn

TEMPERATURE:

-10°F to 158°F (-23°C to 70°C)

PACKAGING:

1/4"-1/2"	750' reels, maximum 3 pieces, 50' increments
5/8"	500' reels, maximum 3 pieces, 50' increments
3/4"	450' reels, maximum 3 pieces, 50' increments
1"	400' reels, maximum 3 pieces, 50' increments

Coupled assemblies available upon request. Contact hose marketing for availability on cut, coiled, and tied hose lengths.

BRANDING:

Continuous brand example Pliovic GS 3/8" ID (9.5 mm) XXX psi WP. Made in USA by Goodyear™.

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

See next page.



GENERAL PURPOSE

PLIOVIC® GS

ORDER CODES: 540-350 (blue) 540-357 (yellow) 540-472 (black)
540-358 (green) 540-406 (red)

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1/4	6.4	0.45	11.4	300	2.07	0.06	0.09
5/16	7.9	0.59	15.0	300	2.07	0.11	0.16
3/8	9.5	0.60	15.2	300	2.07	0.09	0.13
1/2	12.7	0.78	19.8	300	2.07	0.15	0.22

PLIOVIC® PLUS 250 (THICK COVER)

ORDER CODES: 540-201 (red) 540-227 (blue) 540-232 (green)
540-233 (black) 540-257 (yellow)

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1/4	6.4	0.50	12.7	250	1.72	0.08	0.12
3/8	9.5	0.66	16.8	250	1.72	0.13	0.19
1/2	12.7	0.81	20.6	250	1.72	0.17	0.25
5/8	15.9	0.94	23.9	250	1.72	0.20	0.30
3/4	19.1	1.11	28.2	250	1.72	0.28	0.42
1	25.4	1.38	35.1	200	1.38	0.37	0.55

PLIOVIC® PLUS 300 (THICK COVER)

ORDER CODES: 540-279 (red) 540-280 (blue)
Other colors available upon request.

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1/4	6.4	0.50	12.7	300	2.07	0.08	0.12
3/8	9.5	0.66	16.8	300	2.07	0.13	0.19
1/2	12.7	0.81	20.6	300	2.07	0.17	0.25

**Air &
Multipurpose**
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



**Air &
Multipurpose
General Purpose**
Heavy Duty
Push-on

GENERAL PURPOSE

BRAIDAIR™

APPLICATION:

A quality braided general purpose hose for industrial service, compressor lines, pneumatic tools, water service and low-pressure spray where the need for oil resistance is moderate.

CONSTRUCTION
TUBE:

Black synthetic, RMA Class A (High Oil Resistance)

COVER:

Red synthetic, RMA Class B (Medium Oil Resistance)

REINFORCEMENT:

Braided (1) synthetic yarn

TEMPERATURE:

-20°F to 190°F (-29°C to 88°C)

PACKAGING:

1/4"-1"	400'-750' reels, maximum 3 pieces, 50' minimum
1 1/4"-1 1/2"	300' reels, maximum 3 pieces, 50' minimum
2"	150'-250' carton, maximum 2 pieces, 50' minimum

BRANDING:

Continuous Brand Example Goodyear™ Braidair 300 psi WP (20 Bar) 3/8" (9.5mm).

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

536-422 (1/2" - 1 1/2") 536-421 (2")

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1/4	6.4	0.55	14.0	300	2.07	0.11	0.16
3/8	9.5	0.72	18.3	300	2.07	0.18	0.26
1/2	12.7	0.85	21.6	300	2.07	0.21	0.31
3/4	19.1	1.13	28.7	300	2.07	0.32	0.48
1	25.4	1.47	37.3	300	2.07	0.50	0.74
1 1/4	31.8	1.80	45.7	300	2.07	0.75	1.12
1 1/2	38.1	2.09	53.1	300	2.07	1.00	1.49
2	50.8	2.50	63.5	200	1.38	1.09	1.62



Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

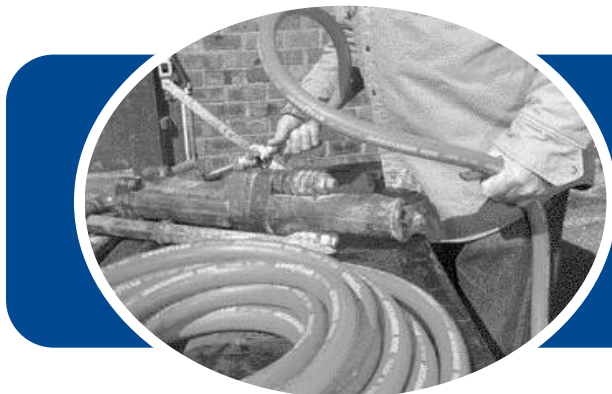
Coupling
Systems

Appendix
Additional
Products

Chemical Charts

General
Information

Minimum Run
Requirements



HEAVY DUTY

	<i>Page</i>	<i>MSHA</i>	<i>Oil Resistance Tube*</i>	<i>Oil Resistance Cover*</i>	<i>Temp Range</i>	<i>Textile</i>	<i>Wire</i>	<i>Braided</i>	<i>Wrapped Finish</i>
Explorer® Air	25		C	C	-40°F to 220°F	Yes		Yes	Yes
Explorer® Plus Air	26		C	C	-40°F to 220°F	Yes		Yes	Yes
Plicord® Air Green 400	28		C	C	-25°F to 180°F	Yes			Yes
Steel Air	24	Yes	B	B	-40°F to 200°F		Yes	Yes	Yes
Plicord® Super Rock Drill	27	Yes	A	B	-40°F to 220°F		Yes		Yes
Super Ortac®	29	Yes	B	B	-20°F to 200°F		Yes	Yes	

* Based on RMA Oil Classification, see page 297 for more information.

**Air &
Multipurpose**
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
*Suction &
Discharge*
Washdown

Welding

Coupling
Systems

Appendix
*Additional
Products*
Chemical Charts
*General
Information*
*Minimum Run
Requirements*



**Air &
Multipurpose**
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
*Suction &
Discharge*
Washdown

Welding

Coupling
Systems

Appendix
*Additional
Products*
Chemical Charts
*General
Information*
*Minimum Run
Requirements*

HEAVY DUTY

STEEL AIR



APPLICATION:

A heavy-duty, wrapped finish, single wire-braid or spiral ply wire air hose for higher pressure service in severe industrial applications including service in mines, quarries and construction jobs.

CONSTRUCTION

TUBE:

Black Nitrile synthetic rubber, RMA Class B

COVER:

Yellow Chemivic® synthetic rubber (wrapped impression), RMA Class B, MSHA approved

REINFORCEMENT:

Braided (1) steel wire (1/2" - 1 1/2") Spiral-plied steel wire (2" - 4")

TEMPERATURE:

-40°F to 200°F (-40°C to 93°C)

PACKAGING:

50' and 100' length, coiled

BRANDING:

Continuous brand example Goodyear Steel Air 500 psi 3.4 MPA 2" 50.8 mm.

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

539-159

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1/2	12.7	0.91	23.1	750	5.17	0.34	0.51
3/4	19.1	1.14	29.0	750	5.17	0.46	0.65
1	25.4	1.45	36.6	750	5.17	0.66	1.00
1 1/4	31.8	1.81	46.0	500	3.45	0.98	1.46
1 1/2	38.1	1.98	50.2	500	3.45	0.97	1.44

549-209 (2-4)

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
2	50.8	2.66	67.6	500	3.45	1.59	2.36
2 1/2	63.5	3.33	84.6	500	3.45	2.63	3.91
3	76.2	3.81	96.8	500	3.45	3.07	4.57
4	101.6	4.90	124.5	500	3.45	4.36	6.49

Also available with Versigard® synthetic rubber tube and cover where superior heat resistance is more important than oil resistance.



HEAVY DUTY

EXPLORER® AIR



APPLICATION:	A versatile, heavy-duty air hose for mining, construction and industrial applications.
CONSTRUCTION	
TUBE:	Black Versigard® synthetic rubber, RMA Class C (limited oil resistance)
COVER:	Yellow Versigard synthetic rubber (wrapped impression), RMA Class C (limited oil resistance)
REINFORCEMENT:	Braided (1) synthetic yarn
TEMPERATURE:	-40°F to 220°F (-40°C to 104°C)
PACKAGING:	50' length, coiled
BRANDING:	Continuous brand example "1" 24.4mm Explorer Air 300psi 2.1 MPa W.P. Made in USA by Goodyear™
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	536-509

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1/2	12.7	0.94	23.9	300	2.07	0.24	0.36
3/4	19.1	1.19	30.2	300	2.07	0.37	0.55
1	25.4	1.49	37.9	300	2.07	0.53	0.79
1 1/4	31.8	1.66	42.2	300	2.07	0.58	0.86
1 1/2	38.1	2.01	51.1	300	2.07	0.83	1.24
2	50.8	2.57	65.3	300	2.07	1.20	1.79

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional Products
Chemical Charts
General Information
Minimum Run Requirements



**Air &
Multipurpose**
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
*Suction &
Discharge*
Washdown

Welding

Coupling
Systems

Appendix
*Additional
Products*
Chemical Charts
*General
Information*
*Minimum Run
Requirements*

EXPLORER® PLUS AIR



HEAVY DUTY

APPLICATION:

A versatile, heavy-duty air hose for mining, construction, and industrial applications where medium pressures are encountered.

CONSTRUCTION

TUBE:

Black Versigard® synthetic rubber (536-508), RMA Class C
Black Plioflex® synthetic rubber (549-413)

COVER:

Yellow Versigard (wrapped impression)

REINFORCEMENT:

Braided (1) synthetic yarn (1/2" - 1 1/4"); Spiral-plied synthetic fabric (1 1/2" - 4")

TEMPERATURE:

-40°F to 220°F (-40°C to 104°C)

PACKAGING:

50' length, coiled

BRANDING:

Continuous brand example "1" 25.4mm Explorer Plus Air 400psi 2.8 MPa
W.P. Goodyear™ Made in USA

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

536-508 (1/2" - 1") 549-317 (1 1/4" - 4")

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1/2	12.7	0.94	23.9	400	2.76	0.24	0.36
3/4	19.1	1.19	30.2	400	2.76	0.38	0.56
1	25.4	1.49	37.6	400	2.76	0.54	0.80
1 1/4	31.8	1.66	42.2	400	2.76	0.56	0.83
1 1/2	38.1	2.01	51.1	400	2.76	0.83	1.24
2	50.8	2.54	64.4	400	2.76	1.08	1.61
2 1/2	63.5	3.17	80.6	400	2.76	1.70	2.53
3	76.2	3.66	93.0	400	2.76	2.00	2.98
4	101.6	4.78	121.5	400	2.76	2.92	4.35



HEAVY DUTY

PLICORD® SUPER ROCK DRILL



APPLICATION:	An extra heavy-duty, high-pressure hose for pneumatic service in mining, construction and industrial service where working conditions are especially severe.
CONSTRUCTION	
TUBE:	Black, heat-resistant Nitrile (ORS) synthetic rubber, RMA Class A (High Oil Resistance)
COVER:	Blue Chemivic® synthetic with spiral yellow transfer stripe (wrapped impression) MSHA approved, RMA Class B (medium oil resistance)
REINFORCEMENT:	Spiral-plied steel wire
TEMPERATURE:	-40°F to 220°F (-40°C to 104°C)
PACKAGING:	100' length, coiled, polywrapped
BRANDING:	Continuous spiral brand example Goodyear™ Plicord Super Rock Drill ORS 500 psi WP.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	549-285

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
2 ^{1/2}	63.5	3.45	87.7	500	3.45	2.96	4.40
3	76.2	3.94	100.1	500	3.45	3.44	5.12
4	101.6	4.96	126.0	400	2.76	4.55	6.77

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional Products
Chemical Charts
General Information
Minimum Run Requirements



**Air &
Multipurpose**
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
*Suction &
Discharge*
Washdown

Welding

Coupling
Systems

Appendix
*Additional
Products*
Chemical Charts
*General
Information*
*Minimum Run
Requirements*

HEAVY DUTY

PLICORD® AIR GREEN 400



APPLICATION:	A versatile, heavy-duty air hose for use in rough industrial applications or for severe service in mines, quarries and construction jobs.
CONSTRUCTION	
TUBE:	Black Plioflex® synthetic rubber, RMA Class C (Limited Oil Resistance) (nonconductive)
COVER:	Green Plioflex synthetic rubber (wrapped impression), RMA Class C (Limited Oil Resistance)
REINFORCEMENT:	Spiral-plied synthetic fabric
TEMPERATURE:	-25°F to 180°F (-32°C to 82°C)
PACKAGING:	100' length, coiled, polywrapped
BRANDING:	Continuous spiral brand example Goodyear™ Plicord® Air Green 400 psi WP.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	549-006

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1/2	12.7	0.880	22.4	400	2.76	0.23	0.34
5/8	15.9	1.050	26.7	400	2.76	0.32	0.48
3/4	19.1	1.230	31.2	400	2.76	0.45	0.67
1	25.4	1.500	38.1	400	2.76	0.58	0.86
1 1/4	31.8	1.790	45.5	400	2.76	0.74	1.10
1 5/16	33.3	1.890	48.0	400	2.76	0.83	1.24
1 1/2	38.1	2.040	51.8	400	2.76	0.86	1.28
2	50.8	2.546	64.7	400	2.76	1.11	1.65
2 1/2	63.5	3.156	80.2	400	2.76	1.64	2.44
3	76.2	3.700	94.0	400	2.76	2.14	3.18



HEAVY DUTY

SUPER ORTAC®



APPLICATION:	For heavy-duty service in handling air, water, oil, petroleum-based solvents and agricultural spray solutions.
CONSTRUCTION TUBE:	Nitrile synthetic rubber, RMA Class B (Medium Oil Resistance)
COVER:	Yellow Chemivic® synthetic rubber, RMA Class B (Medium Oil Resistance), smooth finish, pinpricked, MSHA approved
REINFORCEMENT:	Braided (1) steel wire
TEMPERATURE:	-20°F to 200°F (-29°C to 93°C)
PACKAGING:	<div> <div>1/2"–1"</div> <div>500' reels, maximum 3 pieces, 50' increments</div> </div> <div> <div>1 1/4"–1 1/2"</div> <div>300' reels, maximum 3 pieces, 50' increments</div> </div> <div> <div>2"</div> <div>100'–200' per carton, maximum 3 pieces, 50' increments</div> </div> <div>Also stocked in cut and coiled 50' lengths, 2 pieces per carton, all sizes.</div>
BRANDING:	Continuous brand example Goodyear™ 1" Super Ortac 1000 psi. Fire Resistant USMSHA IC-11/9. Made in USA.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	539-152

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1/2	12.7	0.91	23.1	1000	6.9	0.34	0.51
3/4	19.1	1.14	29.0	1000	6.9	0.44	0.65
1	25.4	1.45	36.8	1000	6.9	0.63	0.94
1 1/4	31.8	1.81	46.0	1000	6.9	1.05	1.56
1 1/2	38.1	1.98	50.8	1000	6.9	1.08	1.61
2	50.8	2.55	64.3	1000	6.9	1.57	2.34

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown

Welding

Coupling Systems

Appendix
Additional Products
Chemical Charts
General Information
Minimum Run Requirements



**Air &
Multipurpose**
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
 Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

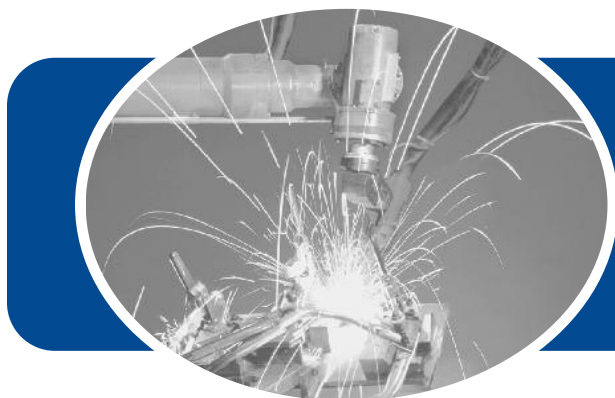
Vacuum

Water
Discharge
*Suction &
Discharge*
Washdown

Welding

Coupling
Systems

Appendix
*Additional
Products*
 Chemical Charts
*General
Information*
*Minimum Run
Requirements*



PUSH-ON

	<i>Page</i>	<i>Superior Abrasion Cover</i>	<i>MSHA</i>	<i>Non- conductive</i>	<i>Oil Resistance Tube*</i>	<i>Oil Resistance Cover*</i>	<i>Braided</i>	<i>Robotic Service</i>	<i>General Industrial</i>
Autogrip®	31	Yes	Yes	Yes	B	A	Yes	Yes	Yes
Insta-Grip 250™	33			Yes	A	A			Yes
Insta-Grip 300™	32			Yes	A	B	Yes		Yes
Insta-Grip TC™	34				A	B	Yes		Yes
Ultra-Grip™	35	Yes	Yes	Yes	A	A	Yes	Yes	Yes

* Based on RMA Oil Classification, see page 297 for more information.



PUSH-ON



APPLICATION:	A premium-quality push-on hose specifically designed for the rigors of robotic and automated applications where flexibility, high abuse resistance and strength are desired. It is ideally suited for use in the demanding applications of the automotive assembly, pharmaceutical, material handling and welding industries. Nonconductive, minimum electrical resistance greater than one (1) megohm per inch of hose length at 1000 Volts DC.		
CONSTRUCTION TUBE:	Silicone not used in the manufacturing of this hose. Neoprene, seamless, heat- and oil-resistant, RMA Class B (Medium Oil Resistance)		
COVER:	Weather-, abrasion- and oil-resistant Carbryn® synthetic rubber, RMA Class A (High Oil Resistance), MSHA approved		
REINFORCEMENT:	Braided (1) high-strength yarn laid at the most effective angle for maximum coupling holding ability		
TEMPERATURE:	-40°F to 200°F (-40°C to 93°C)		
PACKAGING:	1/4" - 1"	500' reels, 4 piece maximum, 10' minimum	
BRANDING:	Continuous brand example Autogrip 9.5 mm (3/8") 21 Bar (300 psi) WP Flame Resistant USMHA 2G-14C/28. Made in USA by Goodyear™.		
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure. USE ONLY WATER-BASED INSTALLATION LUBRICANTS.		
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.		
ORDER CODES:	535-571 (black) 535-574 (green) 535-577 (brown)	535-572 (blue) 535-575 (red) 535-578 (yellow)	535-573 (gray) 535-576 (white)

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1/4	6.4	0.50	12.7	300	2.07	0.09	0.13
3/8	9.5	0.66	16.8	300	2.07	0.12	0.18
1/2	12.7	0.76	19.3	300	2.07	0.14	0.21
5/8	15.9	0.92	23.4	300	2.07	0.17	0.25
3/4	19.1	1.06	26.9	300	2.07	0.22	0.33
1	25.4	1.34	34.0	300	2.07	0.31	0.46

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



**Air &
Multipurpose**
General Purpose
Heavy Duty
Push-on

PUSH-ON

INSTA-GRIP 300™



APPLICATION:

For use with push-on fittings at working pressures of 300 psi. For low-pressure hydraulic and pneumatic systems such as shop air systems, general industrial, maintenance and automotive assembly applications. Nonconductive, minimum electrical resistance, greater than one (1) megohm per inch of hose length at 1000 Volts DC.

CONSTRUCTION

TUBE:

Silicone not used in the manufacturing of this hose. Chemivc® oil- and heat-resistant synthetic rubber, RMA Class A (High Oil Resistance)

COVER:

Black, Green, Blue, Red, and Gray (others: contact customer service); weather-, abrasion-, and oil-resistant synthetic rubber. RMA Class B (Medium Oil Resistance)

REINFORCEMENT:

Braided (1) high-strength synthetic yarn laid at the most effective angle for maximum strength and coupling holding ability

TEMPERATURE:

-40°F to 190°F (-40°C to 88°C)

PACKAGING:

500' reels, maximum 4 pieces, 10' minimum

BRANDING:

Continuous brand example Insta-Grip 1/4" 300 psi WP. Made in USA by Goodyear™.

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

535-278 (black)	535-279 (green)	535-294 (gray)
535-280 (red)	535-281 (blue)	535-277 (yellow)

ID		NOM. OD		MAX. WP		BEND RADIUS		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	in.	mm.	lb./ft.	kg./m.
1/4	6.4	0.54	13.7	300	2.07	3	64	0.09	0.13
5/16	7.9	0.62	15.7	300	2.07	3	76	0.12	0.18
3/8	9.5	0.69	17.5	300	2.07	3	76	0.14	0.21
1/2	12.7	0.81	20.6	300	2.07	5	127	0.17	0.25
5/8	15.9	0.93	23.6	300	2.07	6	152	0.20	0.30
3/4	19.1	1.07	27.2	300	2.07	7	178	0.26	0.39
1	25.4	1.34	34.0	300	2.07	8	203	0.34	0.51

Chemical Transfer

Cleaning Equipment

Food Transfer Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock Transfer

Spray

Steam

Vacuum

Water Discharge Suction & Discharge Washdown

Welding

Coupling Systems

Appendix
Additional Products
Chemical Charts
General Information
Minimum Run Requirements



PUSH-ON

INSTA-GRIP 250™



APPLICATION:	For use with push-on fittings at working pressures of 250 psi for industrial service. Nonconductive, minimum electrical resistance greater than one (1) megohm per inch of hose length at 1000 Volts DC.
CONSTRUCTION	
TUBE:	Chemivic® oil- and heat-resistant synthetic rubber, RMA Class A (High Oil Resistance)
COVER:	Red, Black, or Green Chemivic®, RMA Class A (High Oil Resistance)
REINFORCEMENT:	Spiral Flexten® yarn
TEMPERATURE:	500' reels, maximum 3 pieces, 50' increments
PACKAGING:	-20°F to 190°F (-29°C to 88°C)
BRANDING:	Continuous brand example Insta-Grip Nonconductive 3/8" (9.5mm) 250 psi WP. Made in USA by Goodyear™.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	569-013 (red) 569-014 (black) 569-015 (green) 569-016 (grey)

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1/4	6.4	0.50	12.7	250	1.72	0.08	0.12
3/8	9.5	0.65	16.5	250	1.72	0.12	0.18
1/2	12.7	0.80	20.3	250	1.72	0.17	0.25
5/8	15.9	0.94	23.9	250	1.72	0.23	0.34
3/4	19.1	1.08	27.4	250	1.72	0.28	0.42

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional Products
Chemical Charts
General Information
Minimum Run Requirements



**Air &
Multipurpose**
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

PUSH-ON

INSTA-GRIP TC™



APPLICATION:	For low-pressure hydraulic and pneumatic systems such as shop air systems, general industrial, maintenance and automotive assembly applications.
CONSTRUCTION	
TUBE:	Chemivic® oil- and heat-resistant synthetic rubber, RMA Class A (High Oil Resistance)
COVER:	Black, dyed textile braid, mildew- and oil-resistant
REINFORCEMENT:	Braided (1) high-strength synthetic yarn laid at an angle for strength and coupling holding ability
TEMPERATURE:	-40°F to 190°F (-40°C to 88°C)
PACKAGING:	500' reels, maximum 4 pieces, 10' minimum length
BRANDING:	Continuous brand example Insta-Grip TC 3/8" 300 psi WP. Made in USA by Goodyear™.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	535-230

ID		NOM. OD		MAX. WP		BEND RADIUS		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	in.	mm.	lb./ft.	kg./m.
1/4	6.4	0.50	12.7	300	2.07	3	64	0.08	0.12
5/16	8.0	0.56	14.2	300	2.07	3	76	0.09	0.13
3/8	9.5	0.64	16.3	300	2.07	3	76	0.11	0.16
1/2	12.7	0.75	19.1	300	2.07	5	127	0.13	0.19
5/8	15.9	0.91	23.1	300	2.07	6	152	0.19	0.28
3/4	19.1	1.03	26.2	300	2.07	7	178	0.21	0.31



PUSH-ON

ULTRA-GRIP™



APPLICATION:

For use with push-on fittings at maximum working pressures of 300 psi. For low-pressure hydraulic pneumatic systems such as robotics, shop air systems, general industrial, maintenance and automotive assembly applications. Nonconductive, minimum electrical resistance greater than one (1) megohm per inch of hose length at 1000 Volts DC.

CONSTRUCTION

TUBE:

Chemivac® oil and heat-resistant synthetic rubber, RMA Class A (High Oil Resistance)

COVER:

Black, Blue, Gray, Green, Red, White, Brown, and Yellow (others: contact customer service), weather-, abrasion-, and oil-resistant Carbryn® rubber, RMA Class A (High Oil Resistance)

REINFORCEMENT:

Braided (1) high-strength synthetic yarn laid at an angle for strength and coupling holding ability

TEMPERATURE:

-40°F to 200°F (-40°C to 93°C)

PACKAGING:

500' reels, maximum 4 pieces, 10' minimum length

BRANDING:

Continuous brand example Ultra-Grip Non-Conductive 3/8" 300 psi WP; Flame Resistant; USMSHA 2G-IC-14C/27 Made in USA. Goodyear™.

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

535-283 (black)	535-284 (blue)	535-285 (gray)
535-286 (green)	535-289 (red)	535-290 (white)
535-292 (brown)	535-551 (yellow)	

ID		NOM. OD		MAX. WP		BEND RADIUS		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	in.	mm.	lb./ft.	kg./m.
3/16	4.8	0.36	9.1	300	2.07	3	64	0.04	0.06
1/4	6.4	0.51	13.0	300	2.07	3	64	0.08	0.12
3/8	9.5	0.67	17.0	300	2.07	3	76	0.13	0.19
1/2	12.7	0.76	19.3	300	2.07	5	127	0.14	0.21
5/8	15.9	0.93	23.6	300	2.07	6	152	0.19	0.28
3/4	19.1	1.06	26.9	300	2.07	7	178	0.26	0.37
1	25.4	1.34	34.0	300	2.07	8	203	0.34	0.51

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock Transfer

Spray

Steam

Vacuum

Water Discharge
Suction & Discharge
Washdown

Welding

Coupling Systems

Appendix
Additional Products
Chemical Charts
General Information
Minimum Run Requirements



Air &
 Multipurpose
 General Purpose
 Heavy Duty
 Push-on

**Chemical
 Transfer**

Cleaning
 Equipment

Food
 Transfer
 Washdown

Marine

Material Handling

Abrasives
 Bulk Transfer
 Cement & Concrete

Mining

Petroleum
 Aircraft Fueling
 Dispensing
 Dock
 Transfer

Spray

Steam

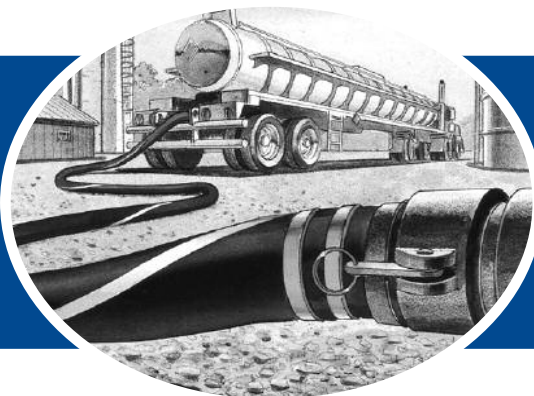
Vacuum

Water
 Discharge
 Suction &
 Discharge
 Washdown

Welding

Coupling
 Systems

Appendix
 Additional
 Products
 Chemical Charts
 General
 Information
 Minimum Run
 Requirements



CHEMICAL TRANSFER

	Page	Temp Range *	Superior Flexibility	Superior Abrasion Cover	Cover Color
Blue Flexwing®	39	-25°F to 150°F			Blue
Brown Flexwing®	41	-30°F to 275°F	Yes		Brown
Fabchem™	38	-40°F to 150°F	Yes		Green
Green XLPE	40	-25°F to 150°F			Green
HI-PER®	42	-40°F to 300°F			Blue
Orange Flexwing®	43	-25°F to 250°F			Orange
Purple Flexwing®	44	-40°F to 220°F	Yes		Purple
Viper™	37	-40°F to 250°F	Yes	Yes	Black

* Temperature is contingent on the specific chemical conveyed.



CHEMICAL TRANSFER



APPLICATION:	For the transfer of a variety of industrial chemicals used today. (Refer to Goodyear Chemical Resistance Guide for compatibility.) For use in pressure, gravity flow and/or suction service. Hose may be cleaned using open-end steam up to 50 psi or in a bath containing 10% Sodium Hydroxide (NaOH), up to 212°F (100°C).
CONSTRUCTION	
TUBE:	Beige Alphasyn™ Modified Cross-Linked Polyethylene (Modified XLPE)
COVER:	Black Omegasyn™ abrasion-resistant EPDM with white spiral stripe
REINFORCEMENT:	Spiral-plied synthetic fabric with double wire helix
TEMPERATURE:	-40°F to 250°F (-40°C to 121°C)
PACKAGING:	100' length coiled, polywrapped
BRANDING:	Continuous spiral brand Goodyear™ Viper Chemical Transfer Alphasyn 200 psi WP.
COUPLINGS:	Fittings should be permanently attached for fluid temperatures above 125°F (52°C) and up to 250°F (121°C). Use Goodyear's Insta-Lock Cam & Groove Fittings with this product. See page 221 for available Insta-Lock products.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	546-345

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
3/4	19.1	1.25	31.7	200	1.38	4	100	29	737	0.45	0.67
1	25.4	1.45	36.9	200	1.38	4	100	29	737	0.53	0.79
1 1/4	32.0	1.71	43.6	200	1.38	5	125	29	737	0.64	0.95
1 1/2	38.1	1.95	49.6	200	1.38	5	125	29	737	0.74	1.10
2	50.8	2.54	64.5	200	1.38	7	175	29	737	1.16	1.73
2 1/2	63.5	3.05	77.5	200	1.38	8	200	29	737	1.41	2.10
3	76.2	3.59	91.2	200	1.38	10	250	29	737	1.82	2.71
4	101.6	4.64	117.8	200	1.38	14	350	29	737	2.42	3.61

Note: Refer to the Goodyear Chemical Resistance Chart on page 240 for Specific Chemical and Temperature Compatibility.

Viper chemical hose will handle fluid up to 250°F, however, this rating is contingent on the specific chemical conveyed. Contact Goodyear Customer Service at 1-800-235-4632 for any chemical above the temperature stated in the Goodyear Chemical Resistance Guide. Refer to the Goodyear Chemical Resistance Chart for Specific Chemical and Temperature Compatibility.

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
 Multipurpose
 General Purpose
 Heavy Duty
 Push-on

**Chemical
 Transfer**

Cleaning
 Equipment

Food
 Transfer
 Washdown

Marine

Material Handling
 Abrasives
 Bulk Transfer
 Cement & Concrete

Mining

Petroleum
 Aircraft Fueling
 Dispensing
 Dock
 Transfer

Spray

Steam

Vacuum

Water
 Discharge
 Suction &
 Discharge
 Washdown

Welding

Coupling
 Systems

Appendix
 Additional
 Products
 Chemical Charts
 General
 Information
 Minimum Run
 Requirements

CHEMICAL TRANSFER

FABCHEM™ PLIOSYN™ (UHMWPE) TUBE


APPLICATION:

A significant improvement to Goodyear's chemical hose line. It handles the majority of common industrial chemicals in pressure, gravity flow and suction service.

CONSTRUCTION
TUBE:

Pliosyn Ultra-High Molecular Weight Polyethylene (UHMWPE)

COVER:

Green Versigard® synthetic rubber with bright orange longitudinal stripe, corrugated (wrapped impression)

REINFORCEMENT:

Spiral-plied synthetic fabric with double wire helix

TEMPERATURE:

-40°F to 150°F (-40°C to 66°C)

PACKAGING:

100' exact length, coiled, polywrapped

BRANDING:

Continuous spiral brand Goodyear™ Fabchem Chemical Transfer Hose, 200 psi WP.

COUPLINGS:

Use Goodyear's Insta-Lock Cam & Groove Fittings with this product. See page 221 for available Insta-Lock products.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

546-065

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m
1/2	12.7	0.95	24.1	200	1.38	3	76	29	737	0.33	0.49
3/4	19.1	1.22	31.0	200	1.38	4	89	29	737	0.46	0.68
1	25.4	1.47	37.3	200	1.38	4	102	29	737	0.60	0.89
1 1/4	31.8	1.73	43.9	200	1.38	4	102	29	737	0.73	1.09
1 1/2	38.1	1.97	50.0	200	1.38	5	127	29	737	0.84	1.25
2	50.8	2.55	64.8	200	1.38	6	152	29	737	1.22	1.82
2 1/2	63.5	3.14	79.8	200	1.38	8	203	29	737	1.78	2.65
3	76.2	3.63	92.2	200	1.38	9	229	29	737	2.11	3.14
4	101.6	4.67	118.6	200	1.38	10	254	29	737	2.81	4.18

Note: Refer to the Goodyear Chemical Resistance Chart on page 240 for Specific Chemical and Temperature Compatibility.



CHEMICAL TRANSFER

BLUE FLEXWING® SPECAR™ (XLPE)



APPLICATION:	Handles the majority of today's industrial chemicals in pressure, gravity flow or suction service.
CONSTRUCTION	Clear Specar™ synthetic rubber Cross-Linked Polyethylene (XLPE)
TUBE:	Blue Versigard® synthetic rubber with spiral white stripe (wrapped impression)
COVER:	
REINFORCEMENT:	Spiral-plied synthetic fabric with double wire helix
TEMPERATURE:	-25°F to 150°F (-32°C to 66°C)
PACKAGING:	100' exact length, coiled, polywrapped
BRANDING:	Continuous spiral brand Goodyear™ Blue Flexwing Chemical Transfer Hose with Specar™ 200 psi WP.
COUPLINGS:	Use Goodyear's Insta-Lock Cam & Groove Fittings with this product. See page 221 for available Insta-Lock products.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	546-066 (1/2" - 4") 541-066 (6")

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
1/2	12.7	0.96	24.4	200	1.38	6	152	29	737	0.30	0.45
3/4	19.1	1.22	31.0	200	1.38	7	178	29	737	0.45	0.67
1	25.4	1.47	37.3	200	1.38	8	203	29	737	0.55	0.82
1 1/4	31.8	1.75	44.5	200	1.38	9	229	29	737	0.70	1.04
1 1/2	38.1	2.04	51.8	200	1.38	10	254	29	737	0.95	1.41
2	50.8	2.58	65.5	200	1.38	12	305	29	737	1.22	1.82
2 1/2	63.5	3.13	79.5	200	1.38	15	381	29	737	1.65	2.46
3	76.2	3.70	94.0	200	1.38	18	457	29	737	2.24	3.33
4	101.6	4.73	120.1	200	1.38	24	610	29	737	3.01	4.48
6	152.4	6.89	175.0	200	1.38	36	914	29	737	6.14	9.14

Note: Refer to the Goodyear Chemical Resistance Chart on page 240 for Specific Chemical and Temperature Compatibility.

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

**Chemical
Transfer**

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

CHEMICAL TRANSFER

GREEN XLPE CROSS LINK POLYETHYLENE



APPLICATION:	Handles the majority of today's industrial chemicals in pressure, gravity flow or suction service.
CONSTRUCTION	
TUBE:	Clear Speclear™ synthetic rubber Cross-Linked Polyethylene (XLPE)
COVER:	Green Versigard® synthetic rubber with spiral white stripe (wrapped impression)
REINFORCEMENT:	Spiral-plied synthetic fabric with double wire helix
TEMPERATURE:	-25°F to 150°F (-32°C to 66°C)
PACKAGING:	100' exact length, coiled, polywrapped
BRANDING:	Continuous spiral brand example Goodyear™ XLPE Chemical Transfer 150 psi.
COUPLINGS:	Use Goodyear's Insta-Lock Cam & Groove Fittings with this product. See page 221 for available Insta-Lock products.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	546-666 (1/2" - 4") 541-666 (6")

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
1/2	12.7	0.97	24.6	150	1.03	6	152	29	737	0.31	0.46
3/4	19.1	1.23	31.2	150	1.03	7	178	29	737	0.44	0.65
1	25.4	1.47	37.3	150	1.03	8	203	29	737	0.54	0.80
1 1/4	31.8	1.73	43.9	150	1.03	9	229	29	737	0.66	0.98
1 1/2	38.1	2.03	51.6	150	1.03	10	254	29	737	0.92	1.37
2	50.8	2.61	66.3	150	1.03	12	305	29	737	1.32	1.96
2 1/2	63.5	3.11	79.0	150	1.03	15	381	29	737	1.65	2.46
3	76.2	3.61	91.7	150	1.03	18	457	29	737	2.02	3.01
4	101.6	4.69	119.1	150	1.03	24	610	29	737	2.95	4.39
6	152.4	6.86	174.1	150	1.03	36	900	29	737	6.07	9.04

Note: Refer to the Goodyear Chemical Resistance Chart on page 240 for Specific Chemical and Temperature Compatibility.



CHEMICAL TRANSFER

BROWN FLEXWING® CHEMRIN® (CPE) TUBE



APPLICATION:	A versatile chemical hose capable of handling a wide variety of acids, alcohols, salt solutions and petroleum-based products.
CONSTRUCTION	
TUBE:	Black Chemrin synthetic rubber
COVER:	Brown Versigard® synthetic rubber with white spiral brand (wrapped impression)
REINFORCEMENT:	Spiral-plied synthetic fabric with double wire helix
TEMPERATURE:	-30°F to 275°F (-34°C to 135°C)
PACKAGING:	100' exact length, coiled, polywrapped
BRANDING:	Continuous spiral brand Goodyear™ Brown Flexwing with Chemrin 150 psi WP.
COUPLINGS:	Use Goodyear's Insta-Lock Cam & Groove Fittings with this product. See page 221 for available Insta-Lock products.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	546-069 541-069 Custom lengths with fittings.

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
3/4	19.1	1.22	31.0	150	1.03	3	76	29	737	0.45	0.67
1	25.4	1.47	37.3	150	1.03	4	89	29	737	0.57	0.85
1 1/4	31.8	1.73	43.9	150	1.03	4	102	29	737	0.69	1.03
1 1/2	38.1	2.02	51.3	150	1.03	4	102	29	737	0.95	1.41
2	50.8	2.55	64.8	150	1.03	5	127	29	737	1.26	1.88
2 1/2	63.5	3.09	78.5	150	1.03	6	152	29	737	1.71	2.54
3	76.2	3.61	91.7	150	1.03	7	178	29	737	2.11	3.14
4	101.6	4.69	119.1	150	1.03	10	254	29	737	3.04	4.52
6	152.4	6.91	175.5	150	1.03	30	762	29	737	6.32	9.41

Note: Refer to the Goodyear Chemical Resistance Chart on page 240 for Specific Chemical and Temperature Compatibility.

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

**Chemical
Transfer**

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
 Multipurpose
 General Purpose
 Heavy Duty
 Push-on

**Chemical
 Transfer**

Cleaning
 Equipment

Food
 Transfer
 Washdown

Marine

Material Handling
 Abrasives
 Bulk Transfer
 Cement & Concrete

Mining

Petroleum
 Aircraft Fueling
 Dispensing
 Dock
 Transfer

Spray

Steam

Vacuum

Water
 Discharge
 Suction &
 Discharge
 Washdown

Welding

Coupling
 Systems

Appendix
 Additional
 Products
 Chemical Charts
 General
 Information
 Minimum Run
 Requirements

CHEMICAL TRANSFER



APPLICATION:	A premium hose which is Teflon® lined to handle a broad spectrum of fluids and materials in a wide variety of applications.
CONSTRUCTION	
TUBE:	Teflon® Fluoroethylenepropylene (FEP) has FDA/USDA compliant materials
COVER:	Blue Versigard® synthetic rubber with bright orange spiral transfer tape (wrapped impression)
REINFORCEMENT:	Spiral-plied synthetic fabric with double wire helix
TEMPERATURE:	-40°F to 300°F (-40°C to 149°C)
PACKAGING:	Custom lengths available (minimum 5')
BRANDING:	Continuous spiral brand Goodyear™ Hi-Per Universal Chemical Hose Teflon lined.
COUPLINGS:	Use Goodyear's Insta-Lock Cam & Groove Fittings with this product. See page 221 for available Insta-Lock products.
NON-STOCK/SIZES:	Order in increments of 100' for 1/2"–2" Order in increments of 60' for 2 1/2" and larger sizes
ORDER CODES:	546-256

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m
1/2	12.7	0.97	24.6	200	1.38	3	76	29	737	0.37	0.55
3/4	19.1	1.11	28.2	200	1.38	5	127	29	737	0.56	0.83
1	25.4	1.52	38.6	200	1.38	8	191	29	737	0.71	1.06
1 1/4	31.8	1.73	43.9	200	1.38	11	279	29	737	0.84	1.25
1 1/2	38.1	2.13	54.1	200	1.38	14	356	29	737	1.24	1.85
2	50.8	2.69	68.3	200	1.38	18	457	29	737	1.71	2.54
2 1/2	63.5	3.14	79.8	200	1.38	22	559	29	737	2.01	2.99
3	76.2	3.67	93.2	200	1.38	35	889	29	737	2.52	3.75

Note: Refer to the Chemical properties of Teflon® Chart on page 240 for Specific Chemical and temperature Compatibility. Teflon® is a registered trademark of DuPont.



CHEMICAL TRANSFER

ORANGE FLEXWING® FLOSYN™ TUBE



APPLICATION:	A versatile chemical hose capable of handling a wide variety of acids, alcohols, salt solutions and petroleum-based products.
CONSTRUCTION	
TUBE:	Black Flosyn synthetic rubber
COVER:	Orange Chemivic® synthetic rubber with white spiral brand (wrapped impression)
REINFORCEMENT:	Spiral-plied synthetic fabric with double wire helix
TEMPERATURE:	-25°F to 250°F (-32°C to 121°C)
PACKAGING:	100' exact length, coiled, polywrapped
BRANDING:	Continuous spiral brand Goodyear™ Orange Flexwing with Flosyn 150 psi WP.
COUPLINGS:	Use Goodyear's Insta-Lock Cam & Groove Fittings with this product. See page 221 for available Insta-Lock products.
NON-STOCK/SIZES:	Order in increments of 100'
ORDER CODES:	541-063

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
1	25.4	1.44	36.6	150	1.03	4	89	29	737	0.61	0.91
1 1/4	31.8	1.73	43.9	150	1.03	4	102	29	737	0.79	1.18
1 1/2	38.1	1.97	50.0	150	1.03	4	102	29	737	0.95	1.41
2	50.8	2.58	65.5	150	1.03	5	127	29	737	1.45	2.16
2 1/2	63.5	3.08	78.2	150	1.03	6	152	29	737	1.77	2.63
3	76.2	3.59	91.2	150	1.03	7	178	29	737	2.26	3.36
4	101.6	4.69	119.1	150	1.03	10	254	29	737	3.31	4.93
6	152.4	6.81	173.0	150	1.03	30	762	29	737	6.29	9.36

Note: Refer to the Goodyear Chemical Resistance Chart on page 240 for Specific Chemical and Temperature Compatibility.

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

**Chemical
Transfer**

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

**Chemical
Transfer**

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

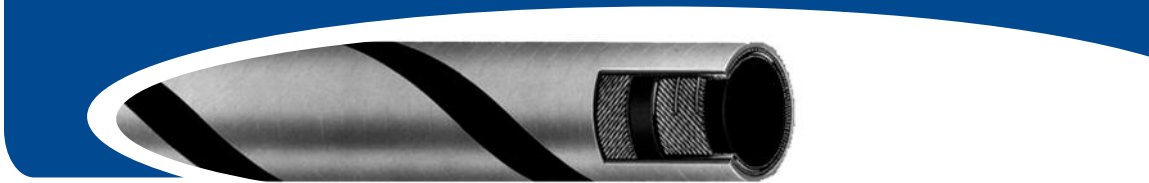
Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

CHEMICAL TRANSFER

PURPLE FLEXWING®

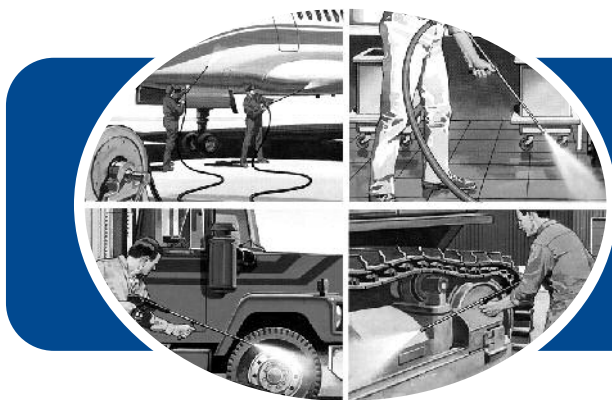


APPLICATION:	A versatile hose developed to handle a wide range of chemicals, acids and alcohols in both suction and discharge service.
CONSTRUCTION	
TUBE:	Black Versigard® synthetic rubber
COVER:	Purple Versigard with yellow spiral brand (wrapped impression)
REINFORCEMENT:	Spiral plied synthetic fabric with double wire helix
TEMPERATURE:	-40°F to 221°F (-40°C to 104°C)
PACKAGING:	100' exact length, coiled, polywrapped
BRANDING:	Continuous spiral brand Goodyear™ Purple Flexwing with Versigard 150 psi Max WP.
COUPLINGS:	Use Goodyear's Insta-Lock Cam & Groove Fittings with this product. See page 221 for available Insta-Lock products.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	546-805

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m
1 1/2	38.1	2.02	51.3	150	1.03	4	102	29	737	0.95	1.41
2	50.8	2.53	64.3	150	1.03	5	127	29	737	1.16	1.73
3	76.2	3.58	90.9	150	1.03	7	178	29	737	2.00	2.98
4	101.6	4.69	119.1	150	1.03	10	254	29	737	3.03	4.51

Note: Refer to the Goodyear Chemical Resistance Chart on page 240 for Specific Chemical and Temperature Compatibility.





CLEANING EQUIPMENT

Air &
 Multipurpose
 General Purpose
 Heavy Duty
 Push-on

Chemical
 Transfer

**Cleaning
 Equipment**

Food
 Transfer
 Washdown

Marine

Material Handling
 Abrasives
 Bulk Transfer
 Cement & Concrete

Mining

Petroleum
 Aircraft Fueling
 Dispensing
 Dock
 Transfer

Spray

Steam

Vacuum

Water
 Discharge
 Suction &
 Discharge
 Washdown

Welding

Coupling
 Systems

Appendix
 Additional
 Products
 Chemical Charts
 General
 Information
 Minimum Run
 Requirements

	Page	Superior Abrasion Cover	Oil Resistance Cover	Microban Cover	Temp Range	Non- Marking*	Wire	Textile	Coupled Assemblies
Fortress™ 1000	74	Yes	Yes	Yes	-20°F to 200°F	Yes		Yes	Yes
Fortress™ 3000	75	Yes	Yes	Yes	-20°F to 250°F	Yes	Yes		Yes
Galvanator™ 3000	55	Yes	Yes		-20°F to 250°F	Yes	Yes		Yes
Gauntlet® 1500	52	Yes	Yes		-20°F to 200°F	Yes		Yes	Yes
Gauntlet® 3000	53	Yes	Yes		-20°F to 250°F	Yes	Yes		Yes
Gauntlet® 4500	54	Yes	Yes		-20°F to 250°F	Yes	Yes		Yes
Neptune™ 1500	46a				-20°F to 200°F	Yes		Yes	Yes
Neptune™ 3000	47				-20°F to 250°F	Yes	Yes		Yes
Neptune™ 4001-R	48				-20°F to 250°F	Yes	Yes		Yes
Neptune™ 4500	49				-20°F to 250°F	Yes	Yes		Yes
Neptune™ 6000	50				-20°F to 250°F	Yes	Yes		Yes
Spectra™ 1000	77				-20°F to 250°F	Yes	Yes		Yes
Spectra™ 3000	78				-20°F to 250°F	Yes	Yes		Yes
SpiraFlow®	46				-20°F to 250°F	Yes	Yes		Yes
Whitewater®	51				-20°F to 250°F**	Yes	Yes		Yes

* Nonblack Colors

** Steam at 325°F and 350 psi



Air &
 Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
 Transfer

**Cleaning
 Equipment**

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
 Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

CLEANING EQUIPMENT

SPIRAFLOW®

APPLICATION:

Designed specifically for the pressure washer industry. A pressure washer hose that reduces damming which can cause clean spots. Ideal for surface cleaning applications such as parking decks and lots; beef, dairy and poultry operations; gas stations; garages; and auto mechanic shops.

**CONSTRUCTION
 TUBE:**

Black Nitrile synthetic rubber

COVER:

Black, Blue, or Gray oil-resistant synthetic rubber, RMA Class B (medium/high oil resistance)

REINFORCEMENT:

Braided (1) steel wire

TEMPERATURE:

-20°F to 250°F (-29°C to 121°C)

PACKAGING:

500' reels, maximum 3 pieces, 50' increments, coupled lengths available.

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendations and coupling procedure.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

539-185 (black) 539-186 (blue) 539-187 (gray)

NOM. ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
3/8	9.53	0.78	19.69	4000	27.58	.30	.44



CLEANING EQUIPMENT

NEPTUNE™ 1500



APPLICATION:	For pressure washer equipment, agricultural sprayers and high-pressure air lines.		
CONSTRUCTION			
TUBE:	Nitrile synthetic rubber		
COVER:	Blue, Gray, Red, Yellow or Black oil-resistant synthetic rubber, RMA Class B (Medium Oil Resistance)		
REINFORCEMENT:	Braided (1) synthetic yarn up through 1/2". Braided (2) synthetic yarn for 3/4".		
TEMPERATURE:	-20°F to 200°F (-29°C to 93°C)		
PACKAGING:	1/4"–5/16"	550' to 750' reels, max 8 pieces, 25' minimum	
	3/8"	500' reels, max 3 pieces, 50' increments	
	1/2"-3/4"	450' to 550' reels, max 5 pieces, 10' minimum	
BRANDING:	Continuous brand Neptune 1500 3/8" 1500 psi WP. Made in USA.		
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure. Coupled lengths with MxMS fittings and Kink Guards available.		
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.		
ORDER CODES:	536-374 (blue)	536-387 (gray)	536-388 (black)
	536-574 (red)	536-490 (yellow)	

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1/4	6.4	0.59	15.0	1500	10.34	0.11	0.16
5/16	7.9	0.69	17.5	1500	10.34	0.15	0.22
3/8	9.5	0.75	19.1	1500	10.34	0.18	0.27
1/2	12.7	0.84	21.3	1200	8.27	0.19	0.28
3/4	19.1	1.25	31.8	1500	10.34	0.42	0.63

Note: Not recommended for steam service.

Neptune 1500 in 1/2" ID size is rated at a working pressure rating of 1200 psi. All other sizes listed above are rated at a working pressure of 1500 psi.

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

**Cleaning
Equipment**

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

**Cleaning
Equipment**

Food
Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
*Suction &
Discharge*
Washdown

Welding

Coupling
Systems

Appendix
*Additional
Products*
Chemical Charts
*General
Information*
*Minimum Run
Requirements*

CLEANING EQUIPMENT

NEPTUNE™ 3000



APPLICATION:	For use on pressure washer machines with working pressures up to 3000 psi.
CONSTRUCTION	
TUBE:	Nitrile synthetic rubber
COVER:	Black, Blue, Yellow or Gray oil-resistant synthetic rubber, RMA Class B (Medium Oil Resistance)
REINFORCEMENT:	Braided (1) steel wire
TEMPERATURE:	-20°F to 250°F (-29°C to 121°C)
PACKAGING:	500' reel, maximum 3 pieces, 50' increments
BRANDING:	Continuous brand Neptune 3000 by Goodyear™ 3/8" 3000 psi WP. Made in USA.
COUPLINGS:	Use Goodyear's pressure washing fittings with this product. See page 235 for available sizes. Refer to Goodyear's Hose Assembly Manual for crimp procedures. Coupled lengths with MxMS fittings and Kink Guards available.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	539-085 (black) 539-089 (blue) 539-104 (yellow) 539-090 (gray)

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1/4	6.4	0.53	13.5	3000	20.69	0.16	0.24
3/8	9.5	0.69	17.5	3000	20.69	0.24	0.36
1/2	12.7	0.82	20.8	3000	20.69	0.32	0.48

Note: Not recommended for steam service.



CLEANING EQUIPMENT

NEPTUNE™ 4001-R



APPLICATION:	For high-pressure washer equipment with working pressures up to 4000 psi.
CONSTRUCTION	
TUBE:	Nitrile synthetic rubber
COVER:	Black, Yellow, Blue or Gray oil resistant synthetic rubber, RMA Class B (Medium Oil Resistance)
REINFORCEMENT:	Braided (1) steel wire
TEMPERATURE:	-20°F to 250°F (-29°C to 121°C)
PACKAGING:	500' reel, maximum 3 pieces, 50' increments
BRANDING:	Continuous brand Goodyear™ Neptune 4001-R 3/8" 4000 psi WP. Made in USA.
COUPLINGS:	Use Goodyear's powerwash fittings with this product. See page 235 for available sizes. Refer to Goodyear's Hose Assembly Manual for crimp procedures. Coupled lengths with MxMS fittings and Kink Guards available.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	539-261 (black) 539-266 (yellow) 539-265 (blue) 539-262 (gray)

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
3/8	9.5	0.69	17.5	4000	27.58	0.23	0.34

Note: Not recommended for steam service.

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

**Cleaning
Equipment**

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

**Cleaning
Equipment**

Food
Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

CLEANING EQUIPMENT

NEPTUNE™ 4500



APPLICATION:	For use on pressure washer machines with working pressures up to 4500 psi.
CONSTRUCTION	
TUBE:	Nitrile synthetic rubber
COVER:	Black or Blue oil-resistant synthetic rubber, RMA Class B (Medium Oil Resistance)
REINFORCEMENT:	Braided (2) steel wires
TEMPERATURE:	-20°F to 250°F (-29°C to 121°C)
PACKAGING:	1/4"-3/8" 500' reels, maximum 3 pieces, minimum of 50' lengths 1/2" 500' reels, maximum 3 pieces, minimum of 50' lengths
BRANDING:	Continuous brand Goodyear™ Neptune 4500 3/8" 4500 psi WP. Made in USA.
COUPLINGS:	Use Goodyear's powerwash fittings with this product. See page 235 for available sizes. Refer to Goodyear's Hose Assembly Manual for crimp procedures. Coupled lengths with MxMS fittings and Kink Guards available.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	539-091 (black) 539-124 (blue)

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1/4	6.4	0.54	13.7	4500	31.03	0.21	0.31
3/8	9.5	0.69	17.5	4500	31.03	0.27	0.40
1/2	12.7	0.82	20.8	4500	31.03	0.36	0.54

Note: Not recommended for steam service.



CLEANING EQUIPMENT

NEPTUNE™ 6000



APPLICATION:	For use on pressure washer machines with working pressures up to 6000 psi.
CONSTRUCTION	
TUBE:	Nitrile synthetic rubber
COVER:	Black oil resistant synthetic rubber, RMA Class B (Medium Oil Resistance)
REINFORCEMENT:	Braided (2) steel wires
TEMPERATURE:	-20°F to 250°F (-29°C to 121°C)
PACKAGING:	500' reels, maximum 3 piece, 50' increments, coupled lengths available
BRANDING:	Continuous brand Goodyear™ Neptune 6000 3/8" 6000 psi WP. Made in USA.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	539-149

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
3/8	9.5	0.69	17.5	6000	41.37	0.31	0.46

Note: Not recommended for steam service.

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

**Cleaning
Equipment**

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

**Cleaning
Equipment**

Food
Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

CLEANING EQUIPMENT

WHITEWATER®



APPLICATION:

For use on either steam cleaner machines or combination steam cleaner/pressure washer machines.

CONSTRUCTION

TUBE:

Pyrosyn® synthetic rubber

COVER:

Black and Red Hysunite® synthetic rubber, RMA Class B
(Medium Oil Resistance)

REINFORCEMENT:

Braided (1) steel wire

TEMPERATURE:

Handles steam at 325°F/163°C and 350 psi, handles hot water at 250°F/121°C and 3000 psi (2500 psi on 1/2")

PACKAGING:

500' reel, maximum 3 pieces, 50' increments coupled lengths available

BRANDING:

Continuous brand Goodyear™ 3/8" Whitewater Pressure Washer 3000 psi/250°F Steam Cleaner 350 psi/325°F. Made in USA.

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

539-095 (black) 539-110 (red)

Steam Cleaner Service

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
3/8	9.5	0.69	17.5	350	2.40	0.23	0.34
1/2	12.7	0.82	20.8	350	2.40	0.32	0.48

Note: Not recommended for cold water service. For hot water service up to 250°F, handles working pressure up to 3000 psi on 3/8", 2500 psi on 1/2".



CLEANING EQUIPMENT

GAUNTLET® 1500



APPLICATION:	Goodyear Gauntlet® 1500 is for pressure washer equipment with working pressures up to 1500 psi. Its super abrasion-resistant cover provides maximum protection against adverse affects of oil and animal fats.
CONSTRUCTION	
TUBE:	Nitrile synthetic rubber
COVER:	Black or Yellow oil-resistant Carbryn® synthetic rubber, RMA Class A (High Oil Resistance)
REINFORCEMENT:	Braided (1) synthetic yarn up through 1/2". Braided (2) synthetic yarn for 3/4".
TEMPERATURE:	-20°F to 200°F (-29°C to 93°C)
PACKAGING:	500' reel, maximum 3 pieces, 50' increments
BRANDING:	Continuous brand Goodyear™ Gauntlet 1500 3/8" 1500 psi. Made in USA.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure. Coupled lengths with MxMS fittings and Kink Guards available.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	536-480 (black) 536-474 (yellow)

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1/4	6.4	0.59	15.0	1500	10.34	0.11	0.16
3/8	9.5	0.75	19.1	1500	10.34	0.18	0.27
1/2	12.7	0.84	21.3	1200	8.27	0.18	0.29
3/4	19.1	1.25	31.8	1500	10.34	0.41	0.61

Note: Not recommended for steam service.

Gauntlet 1500 in the 1/2" ID is rated at a working pressure of 1200 psi. All other sizes listed above are rated at a working pressure of 1500 psi.

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

**Cleaning
Equipment**

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
 Multipurpose
 General Purpose
 Heavy Duty
 Push-on

Chemical
 Transfer

**Cleaning
 Equipment**

Food
 Transfer
 Washdown

Marine

Material Handling
 Abrasives
 Bulk Transfer
 Cement & Concrete

Mining

Petroleum
 Aircraft Fueling
 Dispensing
 Dock
 Transfer

Spray

Steam

Vacuum

Water
 Discharge
 Suction &
 Discharge
 Washdown

Welding

Coupling
 Systems

Appendix
 Additional
 Products
 Chemical Charts
 General
 Information
 Minimum Run
 Requirements

CLEANING EQUIPMENT

GAUNTLET® 3000



APPLICATION:

For use on pressure washer machines with working pressures up to 3000 psi. Its super abrasion-resistant cover provides maximum protection against adverse affects of oil and animal fats.

CONSTRUCTION

TUBE:

Nitrile synthetic rubber

COVER:

Black or Yellow oil-resistant Carbryn® synthetic rubber, RMA Class A (High Oil Resistance)

REINFORCEMENT:

Braided (1) steel wire

TEMPERATURE:

-20°F to 250°F (-29°C to 121°C)

PACKAGING:

500' reels, maximum 3 pieces, 50' increments

BRANDING:

Continuous brand Gauntlet 3000 by Goodyear™ 3/8" 3000 psi. Made in USA.

COUPLINGS:

Use Goodyear's powerwash fittings with this product. See page 235 for available sizes. Refer to Goodyear's Hose Assembly Manual for crimp procedures. Coupled lengths with MxMS fittings and Kink Guards available.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

539-099 (black) 539-100 (yellow)

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
3/8	9.5	0.69	17.5	3000	20.69	0.24	0.36
1/2	12.7	0.82	20.8	3000	20.69	0.32	0.48

Note: Not recommended for steam service.



CLEANING EQUIPMENT

GAUNTLET® 4500



APPLICATION:	For use on pressure washer machines with working pressures up to 4500 psi. Its super abrasion-resistant cover provides maximum protection against adverse affects of oil and animal fats.		
CONSTRUCTION			
TUBE:	Nitrile synthetic rubber		
COVER:	Black or Yellow oil-resistant Carbryn® synthetic rubber, RMA Class A (High Oil Resistance)		
REINFORCEMENT:	Braided (2) steel wires		
TEMPERATURE:	-20°F to 250°F (-29°C to 121°C)		
PACKAGING:	1/4"– 3/8"	500' reels, maximum 3 pieces, minimum of 50' lengths, coupled lengths available	
	1/2"	500' reels, maximum 3 pieces, minimum of 50' lengths, coupled lengths available	
BRANDING:	Continuous brand Goodyear™ Gauntlet 4500 3/8" 4500 psi WP. Made in USA.		
COUPLINGS:	Use Goodyear's powerwash fittings with this product. See page 235 for available sizes. Refer to Goodyear's Hose Assembly Manual for crimp procedures. Coupled lengths with MxMS fittings and Kink Guards available.		
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.		
ORDER CODES:	539-122 (black)	539-120 (yellow)	

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1/4	6.4	0.54	13.7	4500	31.03	0.20	0.30
3/8	9.5	0.69	17.5	4500	31.03	0.28	0.42
1/2	12.7	0.82	20.8	4500	31.03	0.35	0.52

Note: Not recommended for steam service.

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

**Cleaning
Equipment**

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning Equipment

Food
Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

CLEANING EQUIPMENT

GALVANATOR™ 3000



APPLICATION:

For pressure washer equipment. Its rust-resistant reinforcement and superior abrasion-resistant cover provides maximum protection against adverse affects of water, oil and animal fats.

CONSTRUCTION

TUBE:

Nitrile synthetic rubber

COVER:

Yellow or Black Carbryn® synthetic rubber (wrapped finish), ORS, RMA Class A (High Oil Resistance)

REINFORCEMENT:

Braided (2) steel wires

TEMPERATURE:

-20°F to 250°F (-29°C to 121°C)

PACKAGING:

500' reels, maximum 3 pieces, 50' increments

BRANDING:

Continuous brand Galvanator 3000 by Goodyear™ 3/8" (9.5mm) 3000 psi (20.7 Mpa). Made in USA.

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure. Coupled lengths with MxMS fittings and Kink Guards available.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

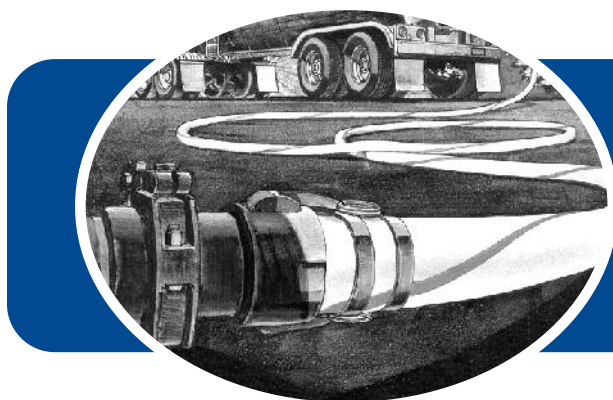
ORDER CODES:

539-200 (yellow) 539-201 (black)

ID		NOM. OD		MAX. WP		BEND RADIUS		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	in.	mm.	lb./ft.	kg./m.
3/8	9.5	0.69	17.5	3000	20.69	2.5	64	0.26	0.39
1/2	12.7	0.82	20.8	3000	20.69	3.5	89	0.31	0.46

Note: Not recommended for steam service.





FOOD TRANSFER

	Page	Dry or Liquid	Temp Range	Beer/Wine	Dairy	Clear	Thermo-plastic	Rubber	3-A, FDA, USDA	NSF 61	Static Wire	Helical Wire
Exstatic®	60	Dry	-25°F to 180°F					Yes	FDA			Yes
Gray Flextra® LT	59	Liquid	-25°F to 212°F	Yes	Yes			Yes	Yes			Yes
Harvest™	61	Dry	-25°F to 180°F					Yes	Yes			Yes
Nutriflex™	63	Liquid	-15°F to 158°F	Yes	Yes	Yes	Yes		Yes	Yes		
Nutriflex™ Static Wire	64	Dry	-15°F to 158°F		Yes	Yes	Yes		Yes	Yes	Yes	
Nutriflo®	62	Liquid	-15°F to 158°F	Yes	Yes	Yes	Yes		Yes	Yes		
Plicord® Blue Flour	65	Dry	-40°F to 180°F					Yes	Yes		Yes	
Plicord® Brewline®	66	Liquid	-40°F to 220°F	Yes				Yes	Yes			
Plicord® Gray Food	58	Liquid	-25°F to 212°F		Yes			Yes	Yes			Yes
Plicord® Wineline®	67	Liquid	-40°F to 220°F	Yes				Yes	Yes			
Plivic® FG (FDA-3A)	68	Liquid	-10°F to 158°F	Yes	Yes	Yes	Yes		Yes	Yes		
Potable Water	69	Liquid	-25°F to 180°F					Yes	Yes			
Spirathane™ PT	105	Dry	0°F to 158°F			Yes	Yes		FDA		Yes	
Vintner™	70	Liquid	-30°F to 220°F	Yes				Yes	Yes			
White Flexwing®	57	Liquid	-25°F to 250°F		Yes			Yes	Yes			Yes

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

**Food
Transfer**
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
 Multipurpose
 General Purpose
 Heavy Duty
 Push-on

Chemical
 Transfer

Cleaning
 Equipment

Food
Transfer
 Washdown

Marine

Material Handling
 Abrasives
 Bulk Transfer
 Cement & Concrete

Mining

Petroleum
 Aircraft Fueling
 Dispensing
 Dock
 Transfer

Spray

Steam

Vacuum

Water
 Discharge
 Suction &
 Discharge
 Washdown

Welding

Coupling
 Systems

Appendix
 Additional
 Products
 Chemical Charts
 General
 Information
 Minimum Run
 Requirements

FOOD TRANSFER

WHITE FLEXWING®



APPLICATION:

A highly flexible hose for gravity flow, pressure, or suction service transferring oily and nonoily edibles from tank truck and in-plant service.

CONSTRUCTION

TUBE:

White Chemivac® synthetic rubber (FDA/USDA compliant and conforms to 3-A sanitary standard 18-03)

COVER:

White Chemivac synthetic rubber (wrapped impression)

REINFORCEMENT:

Spiral-plied synthetic fabric with galvanized wire helix

TEMPERATURE:

-25°F to 250°F (-32°C to 121°C)

PACKAGING:

100' length, coiled, polywrapped

BRANDING:

Continuous spiral brand Goodyear™ White Flexwing 150 psi WP; FDA, 3-A, and USDA.

COUPLINGS:

Use Goodyear's Insta-Lock Cam & Groove Fittings with this product. See page 221 for available Insta-Lock products.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

549-151

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
3/4	19.1	1.20	30.5	150	1.03	2	51	29	737	0.47	0.70
1	25.4	1.44	36.6	150	1.03	3	76	29	737	0.57	0.85
1 1/4	31.8	1.70	43.2	150	1.03	4	102	29	737	0.69	1.03
1 1/2	38.1	1.97	50.0	150	1.03	4	102	29	737	0.86	1.28
2	50.8	2.53	64.3	150	1.03	5	114	29	737	1.23	1.83
2 1/2	63.5	3.10	78.7	150	1.03	6	146	29	737	1.81	2.69
3	76.2	3.60	91.4	150	1.03	7	178	29	737	2.16	3.21
4	101.6	4.64	117.9	150	1.03	10	254	29	737	3.05	4.54
5	127.0	5.97	151.6	150	1.03	20	508	29	737	5.73	8.53

See page 298 for Goodyear food hose compliance standards.



FOOD TRANSFER

PLICORD® GRAY FOOD



APPLICATION:	A flexible hose for gravity flow, pressure, or suction service transferring edibles from tank truck and in-plant service.
CONSTRUCTION	
TUBE:	White Chemivac® synthetic rubber (FDA/USDA compliant and conforms to 3-A Sanitary Standard 18-03)
COVER:	Gray Chemivac® synthetic rubber (wrapped impression)
REINFORCEMENT:	Spiral-plied synthetic fabric with Galvanized Wire helix
TEMPERATURE:	-25°F to 212°F (-32°C to 100°C)
PACKAGING:	100' length, coiled, polywrapped
BRANDING:	Continuous spiral brand Goodyear™ Plicord Gray Food; FDA, 3-A, and USDA 150 psi.
COUPLINGS:	Use Goodyear's Insta-Lock Cam & Groove Fittings with this product. See page 221 for available Insta-Lock products.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	549-834

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
1	25.4	1.45	36.7	150	1.03	3	75	29	737	0.58	0.86
1½	38.1	1.97	50.0	150	1.03	4	102	29	737	0.85	1.26
2	50.8	2.59	65.8	150	1.03	5	114	29	737	1.42	2.11
2½	63.5	3.09	78.5	150	1.03	6	152	29	737	1.77	2.63
3	76.2	3.59	91.2	150	1.03	7	178	29	737	2.10	3.13
4	101.6	4.68	118.9	150	1.03	10	254	29	737	3.19	4.75

See page 298 for Goodyear food hose compliance standards.

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

**Food
Transfer**
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

**Food
Transfer
Washdown**

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

FOOD TRANSFER

GRAY FLEXTRA® LT



APPLICATION:

A lightweight, highly flexible hose used for transferring edibles in gravity flow, pressure, or suction service. Larger I.D. sizes (5" and 6") applicable as "must" hoses in the wine industry.

CONSTRUCTION

TUBE:

White Chemivac® (complies with FDA, USDA and 3-A)

COVER:

Gray Chemivac (corrugated, wrapped impression)

REINFORCEMENT:

Synthetic textile fabric plies and two galvanized wire helix

TEMPERATURE:

-25°F to 212°F (-32°C to 100°C)

PACKAGING:

Coiled-polyethylene wrapped/bagel pack

BRANDING:

Continuous spiral brand example Goodyear™ Gray Flextra LT 150 psi WP; FDA, 3-A and USDA.

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

549-357

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
1 ^{1/2}	38.1	1.92	48.8	150	1.03	3	64	29	737	0.77	1.15
2	50.8	2.44	62.0	150	1.03	3	76	29	737	1.00	1.49
2 ^{1/2}	63.5	3.00	76.2	150	1.03	5	127	29	737	1.46	2.17
3	76.2	3.51	89.2	150	1.03	6	140	29	737	1.95	2.90
4	101.6	4.55	115.6	150	1.03	7	191	29	737	2.59	3.85
5	127.0	5.66	143.8	150	1.03	12	305	29	737	3.84	5.71
6	152.4	6.66	169.2	150	1.03	17	432	29	737	4.55	6.77

See page 298 for Goodyear food hose compliance standards.



FOOD TRANSFER

EXSTATIC®



APPLICATION:	Goodyear's Exstatic® hose is for tank truck and/or in-plant transfer of dry, bulk foodstuffs where there is a potential for electrical static build-up.
CONSTRUCTION	FDA UHMWPE (static dissipating/static conductive) has FDA/USDA compliant materials
TUBE:	
COVER:	Blue Plioflex® synthetic rubber (corrugated)/spiral transfer brand (wrapped impression)
REINFORCEMENT:	Spiral-plied synthetic fabric with double wire helix
TEMPERATURE:	-25°F to 180°F (-32°C to 82°C)
PACKAGING:	100' length, coiled, polywrapped
BRANDING:	Continuous spiral brand Goodyear™ Plicord Exstatic FDA Dry Material handling 150 psi.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure. Use Goodyear's Insta-Lock Cam & Groove Fittings with this product. See page 221 for available Insta-Lock products.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	549-608

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
2	50.8	2.50	63.5	150	1.03	8	203	29	737	1.07	1.59
3	76.2	3.56	90.4	150	1.03	12	305	29	737	1.83	2.72
4	101.6	4.59	116.6	150	1.03	16	406	29	737	2.49	3.71
5	127.0	5.67	144.0	150	1.03	20	508	29	737	3.69	5.49

See page 298 for Goodyear food hose compliance standards.

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

**Food
Transfer**
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

FOOD TRANSFER



APPLICATION:	For tank truck and/or in-plant applications for the transfer of dry, nonoily bulk foodstuffs.
CONSTRUCTION	
TUBE:	FDA, White Pureten™ synthetic rubber
COVER:	Gray Versigard® synthetic rubber (corrugated)/orange branding tape (wrapped impression)
REINFORCEMENT:	Spiral-plied synthetic fabric with double galvanized wire helix
TEMPERATURE:	-25°F to 180°F (-32°C to 82°C)
PACKAGING:	100' length, coiled, polywrapped
BRANDING:	Continuous spiral brand Goodyear™ Harvest 150 psi WP; FDA/USDA.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	549-627

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
2	50.8	2.73	69.3	150	1.03	5	127	29	737	1.57	2.34
3	76.2	3.74	95.0	150	1.03	7	178	29	737	2.32	3.45
4	101.6	4.78	121.4	150	1.03	10	254	29	737	3.44	5.12
5	127.0	5.91	150.1	150	1.03	15	381	29	737	4.76	7.08

See page 298 for Goodyear food hose compliance standards.



FOOD TRANSFER

NUTRIFLO® SUCTION AND DISCHARGE HOSE



APPLICATION:

For handling almost every type of dry bulk food material or liquid in gravity flow and vacuum service. Nutriflo conforms to USDA Meat and Poultry, 3-A Sanitary, and FDA Standards and is used for the transmission of raw and pasteurized milk and other high water content dairy items.

CONSTRUCTION

TUBE:

Clear Pliovic™ (FDA, 3-A, USDA compliant), NSF-61

COVER:

Clear Pliovic

REINFORCEMENT:

White or Clear high-density Pliovic™ helix

TEMPERATURE:

-15°F to 158°F (-26°C to 70°C)

PACKAGING:

100' length, coiled, polywrapped

BRANDING:

Not branded

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

586-416 (white) 586-421 (clear)

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
3/4	19.1	0.99	25.2	120	0.83	3	83	29	737	0.18	0.27
1	25.4	1.24	31.5	106	0.73	5	114	29	737	0.26	0.39
1 1/4	31.8	1.55	39.4	99	0.68	5	127	29	737	0.36	0.54
1 1/2	38.1	1.78	45.2	89	0.61	6	152	29	737	0.43	0.64
2	50.8	2.37	60.2	79	0.54	8	203	29	737	0.67	1.00
2 1/2	63.5	2.89	73.4	65	0.45	10	254	29	737	0.89	1.32
3	76.2	3.48	88.4	65	0.45	12	305	29	737	1.15	1.71
4	101.6	4.50	114.3	55	0.38	16	406	29	737	1.65	2.46
6	152.4	6.63	168.4	47	0.32	36	914	29	737	3.39	5.04

See page 298 for Goodyear food hose compliance standards.

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

**Food
Transfer
Washdown**

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

FOOD TRANSFER

NUTRIFLEX™ SUCTION AND DISCHARGE HOSE



APPLICATION:

Nutriflex™ S&D hose is capable of handling almost every type of dry bulk food material or liquid in gravity flow and vacuum service. Nutriflex conforms to USDA Meat and Poultry, 3-A Sanitary, and FDA Standards and is used for transmission of raw and pasteurized milk and other high water content dairy items.

CONSTRUCTION

TUBE:

Clear Pliovic™ (FDA, 3-A, USDA compliant), NSF-61

COVER:

Clear Pliovic (corrugated construction) static wire placed between the tube and cover

REINFORCEMENT:

Clear high-density rigid Pliovic helix

TEMPERATURE:

-15°F to 158°F (-26°C to 70°C)

PACKAGING:

100' length, coiled, polywrapped

BRANDING:

Not branded

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

586-417 (white)

586-422 (clear)

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
1	25.4	1.29	32.8	60	0.41	2	38	29	737	0.22	0.33
1 ^{1/4}	31.8	1.56	39.6	50	0.34	3	64	29	737	0.28	0.42
1 ^{1/2}	38.1	1.88	47.8	50	0.34	4	81	29	737	0.31	0.46
2	50.8	2.43	61.7	40	0.28	4	81	29	737	0.51	0.76
2 ^{1/2}	63.5	3.00	76.2	35	0.24	5	114	29	737	0.82	1.22
3	76.2	3.58	90.9	35	0.24	7	165	29	737	1.05	1.56
4	101.6	4.71	119.6	35	0.24	10	264	29	737	1.67	2.49
5	127.0	5.62	142.8	25	0.17	30	747	29	737	2.03	3.02
6	152.4	6.72	170.7	25	0.17	30	747	29	737	2.27	3.38

See page 298 for Goodyear food hose compliance standards.



FOOD TRANSFER

NUTRIFLEX™ STATIC WIRE



APPLICATION:	For handling almost every type of dry bulk food material or liquid in gravity flow and vacuum service. Nutriflex Static Wire conforms to USDA Meat and Poultry, 3-A Sanitary, and FDA Standards and is recommended for transmission of powder pellets or granular materials.
CONSTRUCTION	
TUBE:	Clear Pliovic™ (FDA, 3-A, USDA compliant), NSF-61
COVER:	Clear Pliovic (corrugated construction)
REINFORCEMENT:	Clear, high-density Pliovic™ helix
TEMPERATURE:	-15°F to 158°F (-26°C to 70°C)
PACKAGING:	100' length, coiled, polywrapped
BRANDING:	Not branded
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	586-472

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
1	25.4	1.30	33.0	60	0.41	2	38	29	737	0.23	0.34
1 1/4	31.8	1.56	39.6	50	0.34	3	64	29	737	0.29	0.43
1 1/2	38.1	1.84	46.8	50	0.34	4	81	29	737	0.36	0.54
1 3/4	44.5	2.09	53.1	45	0.31	4	81	29	737	0.40	0.60
2	50.8	2.43	61.7	40	0.28	4	89	29	737	0.52	0.77
2 1/2	63.5	3.00	76.2	35	0.24	5	114	29	737	0.80	1.19
3	76.2	3.58	90.9	35	0.24	7	165	29	737	1.09	1.62
4	101.6	4.65	118.1	35	0.24	11	264	29	737	1.51	2.25
5	127.0	5.75	146.1	35	0.24	22	559	29	737	2.15	3.20
6	152.4	6.87	174.5	25	0.17	30	747	28	711	2.98	4.43

See page 298 for Goodyear food hose compliance standards.

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

**Food
Transfer**
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

**Food
Transfer
Washdown**

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

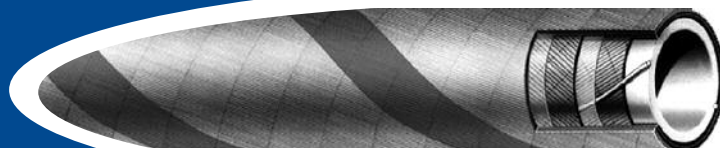
Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

FOOD TRANSFER

PLICORD® BLUE FLOUR



APPLICATION:	Tank truck or in-plant service hose is for discharge transfer of abrasive materials and dry foods such as flour, cake mixes, etc.
CONSTRUCTION	
TUBE:	3/16" gauge white Pureten™ tube (FDA compliant)
COVER:	Blue Plioflex™ rubber (wrapped impression)
REINFORCEMENT:	Spiral-plied synthetic fabric with 2 antistatic wires
TEMPERATURE:	-40°F to 180°F (-40°C to 82°C)
PACKAGING:	100' length, coiled, polywrapped
BRANDING:	Continuous spiral brand example Goodyear™ Plicord Blue Flour Discharge FDA 150 psi.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	549-503

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
2	50.8	2.68	68.1	150	1.03	1.39	2.07
3	76.2	3.69	93.7	150	1.03	2.02	3.01
4	101.6	4.71	119.6	150	1.03	2.63	3.91
5	127.0	5.72	145.3	150	1.03	3.27	4.87

See page 298 for Goodyear food hose compliance standards.



FOOD TRANSFER

PLICORD® BREWLINE®


APPLICATION:	A quality discharge hose designed specifically for the highly demanding service of transferring nonoily liquid products in wineries and breweries.
CONSTRUCTION TUBE:	White chlorobutyl rubber (FDA/USDA compliant and conforms to 3-A Sanitary Standard 18-03)
COVER:	Red Versigard® with a white spiral stripe (wrapped impression)
REINFORCEMENT:	Spiral-plied synthetic fabric, 4 plies to 1 ¹ / ₂ " I.D.; 6 plies over 1 ¹ / ₂ " I.D.
TEMPERATURE:	-40°F to 220°F (-40°C to 104°C)
PACKAGING:	100' length, coiled, polywrapped
BRANDING:	Continuous spiral brand example Goodyear™ Plicord Brewline hose 250 psi; FDA, 3-A, and USDA.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	549-885

ID		NOM. OD		MAX. WP		VACUUM		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	in.	mm.	lb./ft.	kg./m.
3/4	19.1	1.34	34.0	250	1.72	20	508	0.54	0.80
1	25.4	1.69	42.9	250	1.72	20	508	0.81	1.21
1 ¹ / ₄	31.8	2.00	50.8	250	1.72	20	508	1.05	1.56
1 ¹ / ₂	38.1	2.23	56.6	250	1.72	20	508	1.19	1.77
2	50.8	2.88	73.2	250	1.72	20	508	1.86	2.77
2 ¹ / ₂	63.5	3.51	89.2	250	1.72	20	508	2.66	3.96
3	76.2	4.09	103.9	250	1.72	20	508	3.57	5.31
4	101.6	5.31	134.9	250	1.72	20	508	5.43	8.08

See page 298 for Goodyear food hose compliance standards.

 Air &
 Multipurpose
General Purpose
Heavy Duty
Push-on

 Chemical
 Transfer

 Cleaning
 Equipment

Food
Transfer
 Washdown

Marine

 Material Handling
Abrasives
Bulk Transfer
 Cement & Concrete

Mining

 Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

 Water
Discharge
Suction &
Discharge
Washdown

Welding

 Coupling
 Systems

 Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements


Air &
 Multipurpose
 General Purpose
 Heavy Duty
 Push-on

Chemical
 Transfer

Cleaning
 Equipment

**Food
 Transfer**
 Washdown

Marine

Material Handling
 Abrasives
 Bulk Transfer
 Cement & Concrete

Mining

Petroleum
 Aircraft Fueling
 Dispensing
 Dock
 Transfer

Spray

Steam

Vacuum

Water
 Discharge
 Suction &
 Discharge
 Washdown

Welding

Coupling
 Systems

Appendix
 Additional
 Products
 Chemical Charts
 General
 Information
 Minimum Run
 Requirements

FOOD TRANSFER

PLICORD® WINELINE®



APPLICATION:

A quality, nontoxic hose for handling wine, potable water, and other nonoily liquid food products where the hose must meet FDA requirements. For discharge service and suction service up to 20" hg vacuum at ambient temperature.

CONSTRUCTION

TUBE:

White chlorobutyl rubber (FDA/USDA compliant and conforms to 3-A Sanitary Standard 18-03)

COVER:

White Versigard® rubber with a purple spiral stripe (wrapped impression)

REINFORCEMENT:

Spiral-plied synthetic fabric, 4 plies to 1¹/₂" I.D.; 6 plies over 1¹/₂" I.D.

TEMPERATURE:

-40°F to 220°F (-40°C to 104°C)

PACKAGING:

100' length, coiled, polywrapped

BRANDING:

Continuous spiral brand Goodyear™ Plicord Winline hose 250 psi; FDA, 3-A, and USDA.

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

549-887

ID		NOM. OD		MAX. WP		VACUUM		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	in.	mm.	lb./ft.	kg./m.
3/4	19.1	1.39	35.3	250	1.72	20	508	0.60	0.89
1	25.4	1.69	42.9	250	1.72	20	508	0.80	1.19
1 ¹ / ₄	31.8	2.00	50.8	250	1.72	20	508	1.04	1.55
1 ¹ / ₂	38.1	2.23	56.6	250	1.72	20	508	1.20	1.79
2	50.8	2.92	74.2	250	1.72	20	508	1.98	2.95
2 ¹ / ₂	63.5	3.50	88.9	250	1.72	20	508	2.65	3.94
3	76.2	4.09	103.9	250	1.72	20	508	3.55	5.28
4	101.6	5.30	134.6	250	1.72	20	508	5.40	8.04

See page 298 for Goodyear food hose compliance standards.



FOOD TRANSFER

PLIOVIC® FG (FDA-3A)



APPLICATION:	A versatile, lightweight, reinforced tubing for the food and beverage, general air, multipurpose, pharmaceutical and cosmetics industries; computer component manufacturers; textile mills; and air-actuated equipment.
CONSTRUCTION	
TUBE:	Clear Pliovic™ compound, conforms to FDA, USDA, NSF-61 and 3-A standards
COVER:	Clear Pliovic compound, conforms to FDA, USDA, NSF-61 and 3-A standards
REINFORCEMENT:	Spiral synthetic yarn
TEMPERATURE:	-10°F to 158°F (-23°C to 70°C)
PACKAGING:	1/4"-5/8" 300' Bagel Pack, one piece 3/4" and 1" 200' Bagel Pack, one piece
BRANDING:	Continuous brand Goodyear™ Pliovic FG 3/8" ID (9.5 mm) 250 psi WP (1.7 Mpa). Made in USA.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Contact customer service for availability on cut, coiled, and tied hose lengths.
ORDER CODES:	540-337

ID		NOM. OD		MAX. WP		WEIGHT	
<i>in.</i>	<i>mm.</i>	<i>in.</i>	<i>mm.</i>	<i>psi.</i>	<i>Mpa.</i>	<i>lb./ft.</i>	<i>kg./m.</i>
1/4	6.4	0.44	11.2	250	1.72	0.05	0.07
5/16	7.9	0.50	12.7	250	1.72	0.07	0.10
3/8	9.5	0.59	15.0	250	1.72	0.08	0.12
1/2	12.7	0.75	19.1	200	1.38	0.12	0.18
5/8	15.9	0.87	22.1	200	1.38	0.15	0.22
3/4	19.1	1.02	25.9	150	1.03	0.19	0.28
1	25.4	1.34	34.0	125	0.86	0.31	0.46

See page 298 for Goodyear food hose compliance standards.

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
 Multipurpose
 General Purpose
 Heavy Duty
 Push-on

Chemical
 Transfer

Cleaning
 Equipment

**Food
 Transfer**
 Washdown

Marine

Material Handling
 Abrasives
 Bulk Transfer
 Cement & Concrete

Mining

Petroleum
 Aircraft Fueling
 Dispensing
 Dock
 Transfer

Spray

Steam

Vacuum

Water
 Discharge
 Suction &
 Discharge
 Washdown

Welding

Coupling
 Systems

Appendix
 Additional
 Products
 Chemical Charts
 General
 Information
 Minimum Run
 Requirements

FOOD TRANSFER

POTABLE WATER



APPLICATION:

Designed to handle water suitable for drinking. Used in oilfield or industrial applications. Used in discharge service only. This hose is not NSF approved.

CONSTRUCTION

TUBE:

White natural rubber (complies with FDA requirements)

COVER:

Blue SBR (smooth, wrapped impression)

REINFORCEMENT:

Synthetic textile fabric plies

TEMPERATURE:

-25°F to 180°F (-32°C to 82°C)

PACKAGING:

Coiled-polyethylene wrapped/bagel pack

BRANDING:

Continuous brand example Goodyear™ Potable Water Hose 150 psi WP.

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

542-445

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1	25.4	1.49	37.9	250	1.72	0.55	0.82
1 1/2	38.1	1.98	50.3	200	1.38	0.77	1.15
2	50.8	2.50	63.5	150	1.03	0.96	1.43
3	76.2	3.00	76.2	150	1.03	1.72	2.56
4	101.6	4.56	115.8	150	1.03	1.99	2.96

See page 298 for Goodyear food hose compliance standards.



FOOD TRANSFER



APPLICATION:	For handling in-plant and/or tank truck transfer of wine, beer, potable water and other nonoily, liquid foodstuffs.
CONSTRUCTION	
TUBE:	White Chlorobutyl (FDA/USDA compliant and conforms to 3-A sanitary standard 18-03)
COVER:	Gray Versigard® synthetic rubber (wrapped)/purple branding tape
REINFORCEMENT:	Spiral-plied synthetic fabric with Monofilament Helix
TEMPERATURE:	-30°F to 220°F (-34°C to 104°C)
PACKAGING:	100' length, coiled, polywrapped
BRANDING:	Continuous spiral brand Goodyear™ Plicord Vintner 250 psi; FDA, 3-A, and USDA.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	549-886

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
<i>in.</i>	<i>mm.</i>	<i>in.</i>	<i>mm.</i>	<i>psi</i>	<i>Mpa</i>	<i>in.</i>	<i>mm.</i>	<i>in.</i>	<i>mm.</i>	<i>lb./ft.</i>	<i>kg./m.</i>
1	25.4	1.62	41.1	250	1.72	3	76	27	686	0.71	1.06
1 1/2	38.1	2.11	53.6	250	1.72	4	102	27	686	0.98	1.46
2	50.8	2.68	68.1	250	1.72	7	178	27	686	1.38	2.05
2 1/2	63.5	3.21	81.5	250	1.72	10	254	27	686	1.78	2.65
3	76.2	3.85	97.8	250	1.72	12	305	27	686	2.59	3.86

See page 298 for Goodyear food hose compliance standards.

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



FOOD TRANSFER

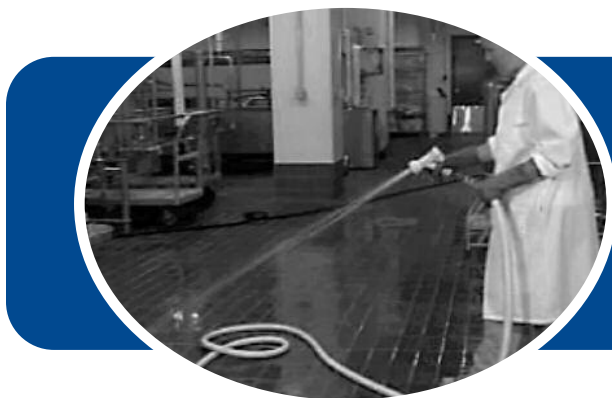
Refer to Food Hose Recommendation Guide below for specific hose application capabilities.

FOOD HOSE RECOMMENDATION GUIDE

TUBE: Compound TUBE: Color	CHEMIVIC WHITE	CHEMIVIC WHITE	CHEMIVIC WHITE	PURETEN TAN	PURETEN WHITE	CHLOROBUTYL WHITE	PLIOVIC CLEAR
HOSE NAME	WHITE FLEXWING, GRAY FLEXTRA LT	WHITE FLEXTRA, GRAY FOOD	WHITE SOFTWALL	FLEXWING, TAN FLEXTRA, TAN SOFTWALL	BLUE FLOUR DISCHARGE, HARVEST, VINTNER	WINELINE, BREWLINE, VINTNER	PLIOVIC FG, NUTRIFLO, NUTRIFLEX SW
FOOD							
(B)							
Beet Sugar, granular	I	I	I	A	A	X	B
Buttermilk, dried	X	X	X	A	A	X	B
(C)							
Cane Sugar, granular	I	I	I	A	A	X	B
Cashew Nut Oil	A	A	A	X	X	X	X
Castor Oil	A	A	A	X	X	X	X
Citric Acid	A	A	A	A	A	A	B
Cocoa Butter	A	A	A	X	X	X	I
Coconut Oil	A	A	A	X	X	X	X
Corn Oil	A	A	A	X	X	X	X
Cottonseed Oil	A	A	A	X	X	X	X
(F)							
Fish Meal	A	A	A	X	X	X	B
Flour	I	I	I	A	A	X	X
(G)							
Grape Juice	A	A	A	X	X	A	B
(L)							
Lactic Acid	A	A	A	B	B	B	X
Lard Oil	A	A	A	X	X	X	X
Linseed Oil	A	A	A	X	X	X	X
Liquor (spirits)	B	B	B	X	X	X	B
(M)							
Milk	A	A	A	X	X	A	B
Mineral Oil	A	A	A	X	X	X	B
Molasses	A	A	A	A	A	A	A
(O)							
Olive Oil	A	A	A	X	X	X	X
Orange Juice	A	A	A	X	X	A	A
(P)							
Palm Oil	A	A	A	X	X	X	X
Paraffin	A	A	A	X	X	X	B
Peanut Oil	A	A	A	X	X	X	X
Potato Flour	I	I	I	A	A	X	A
(S)							
Salt, granular, table grade	I	I	I	A	A	X	A
Shortening	A	A	A	X	X	X	I
Soybean Oil	A	A	A	X	X	X	X
Sucrose	A	A	A	A	A	X	A
Sugar, granulated	I	I	I	A	A	X	A
Sugar, syrup	A	A	A	A	A	A	A
(T)							
Tallow	A	A	A	X	X	X	X
Tomato Juice, paste & puree sauce	A	A	A	X	X	I	B
(V)							
Vegetable Oil	A	A	A	X	X	X	X
Vinegar	A	A	A	X	X	A	A
(W)							
Water, Potable	A	A	A	X	X	A	A
Whiskey	B	B	B	X	X	X	X
Wine	A	A	A	X	X	A	I

Key: A – Excellent; B – Good; X – Not recommended; I – Insufficient information.
Note: For temperatures in excess of 150°F, consult Goodyear Customer Service.





FOOD WASHDOWN

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

	Page	Non-Marking	Superior Oil Resistance Tube and Cover	Superior Abrasion Cover	Anti Microbial Cover	Tapered Nozzle	Wire	Textile
Fortress™ 300	73	Yes	Yes	Yes	Yes			Yes
Fortress™ 1000	74	Yes	Yes	Yes	Yes			Yes
Fortress™ 3000	75	Yes	Yes	Yes	Yes		Yes	
Gauntlet® 1500	52	Yes*	Yes	Yes				Yes
Plicord® Washdown	212					Yes		Yes
Sani-Wash™ 300	79	Yes						Yes
Spectra™ 300	76	Yes	Yes					Yes
Spectra™ 1000	77	Yes	Yes				Yes	
Spectra™ 3000	78	Yes	Yes				Yes	

*Nonblack Colors



Air &
 Multipurpose
 General Purpose
 Heavy Duty
 Push-on

Chemical
 Transfer

Cleaning
 Equipment

Food
 Transfer
 Washdown

Marine

Material Handling
 Abrasives
 Bulk Transfer
 Cement & Concrete

Mining

Petroleum
 Aircraft Fueling
 Dispensing
 Dock
 Transfer

Spray

Steam

Vacuum

Water
 Discharge
 Suction &
 Discharge
 Washdown

Welding


Coupling
 Systems

Appendix
 Additional
 Products
 Chemical Charts
 General
 Information
 Minimum Run
 Requirements

FOOD WASHDOWN

FORTRESS™ 300
 WITH  **Microban®** PRODUCT PROTECTION



FORTRESS 300 WITH  Microban®

APPLICATION:

A high-quality construction for hot water up to 200°F (93°C) cleanup service in food processing plants, dairies, packing houses, bottling plants, breweries, canneries and creameries. Its super abrasion and oil-resistant cover provides maximum protection against the adverse affects of oil and animal fats. The cover of Goodyear's Fortress 300 hose incorporates Microban's®* anti-microbial built-in product protection.

CONSTRUCTION

TUBE:

Black Nitrile synthetic rubber

COVER:

Yellow Carbryn® synthetic rubber, RMA Class A (High Oil Resistance) with Microban® product protection

REINFORCEMENT:

Spiral synthetic yarn

TEMPERATURE:

-20°F to 200°F (-29°C to 93°C)

PACKAGING:

1/2"–3/4" 500' reels, maximum 3 pieces, 50' increments
 1" 450' reels, maximum 3 pieces, 50' increments

BRANDING:

Continuous brand example Fortress 300 with Microban® Built-in Protection 3/8" 300 psi WP. Made in USA by Goodyear™.

COUPLINGS:

Use Goodyear's pressure washer fittings with this product. See page 235 for available sizes. Refer to Goodyear's Hose Assembly Manual for crimp procedures. Coupled lengths with MxMS fittings and Kink Guards available.

NON-STOCK/SIZES:

Contact customer service for availability on cut, coiled, and tied hose lengths.

ORDER CODES:

569-120

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1/2	12.7	0.90	22.8	300	2.07	0.29	0.43
5/8	15.9	1.06	27.0	300	2.07	0.36	0.54
3/4	19.1	1.19	30.2	300	2.07	0.41	0.61
1	25.4	1.50	38.1	300	2.07	0.60	0.89

*Microban® antimicrobial product protection inhibits the growth of bacteria, mold, and fungi that can cause odor, stains, or degradation of the hose cover.

Microban® is intended to protect the hose cover only. It is not a substitute for good sanitary practices.



FOOD WASHDOWN



APPLICATION:

For use on pressure washer machines with working pressures up to 1000 psi. Applications include washdown service in food processing plants, dairies, packing houses, bottling plants, breweries, canneries and creameries. Its super abrasion and oil-resistant cover provides maximum protection against the adverse affects of oil and animal fats. The cover of Goodyear's Fortress™ Washdown hose incorporates Microban's®* antimicrobial built-in product protection.

CONSTRUCTION

TUBE:

Nitrile synthetic rubber

COVER:

Carbryn® synthetic rubber, RMA Class A (High Oil Resistance) with Microban® product protection.

REINFORCEMENT:

Braided (1) synthetic yarn

TEMPERATURE:

-20°F to 200°F (-29°C to 93°C)

PACKAGING:

500' reels, maximum 3 pieces, 50' increments: coupled lengths available

BRANDING:

Continuous brand example Fortress™ 1000 with Microban® Built-in Protection 3/8" 1000 psi WP. Made in USA by Goodyear™.

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

536-575 (yellow) 536-583 (red) 536-481 (blue)

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1/4	6.4	0.59	15.0	1000	6.9	0.12	0.18
3/8	9.5	0.75	19.1	1000	6.9	0.18	0.27
1/2	12.7	0.86	21.8	1000	6.9	0.20	0.30
3/4	19.1	1.20	30.5	1000	6.9	0.42	0.63

*Microban antimicrobial product protection inhibits the growth of bacteria, mold, and fungi that can cause odor, stains, or degradation of the hose cover.

Microban is intended to protect the hose cover only. It is not a substitute for good sanitary practices.

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
 Multipurpose
 General Purpose
 Heavy Duty
 Push-on

Chemical
 Transfer

Cleaning
 Equipment

Food
 Transfer
 Washdown

Marine

Material Handling
 Abrasives
 Bulk Transfer
 Cement & Concrete

Mining

Petroleum
 Aircraft Fueling
 Dispensing
 Dock
 Transfer

Spray

Steam

Vacuum

Water
 Discharge
 Suction &
 Discharge
 Washdown

Welding

Coupling
 Systems

Appendix
 Additional
 Products
 Chemical Charts
 General
 Information
 Minimum Run
 Requirements

FOOD WASHDOWN

FORTRESS™ 3000
 WITH  **Microban®** PRODUCT PROTECTION

SUPERIOR
 ABRASION
 RESISTANCE



APPLICATION:

Goodyear's Fortress™ 3000 is for use on pressure washer machines with working pressures up to 3000 psi. Applications include washdown service in food processing plants, dairies, packing houses, bottling plants, breweries, canneries and creameries. Its super abrasion and oil-resistant cover provides maximum protection against the adverse effects of oil and animal fats. The cover of Goodyear's Fortress™ Washdown hose incorporates Microban's®* antimicrobial built-in product protection.

CONSTRUCTION

TUBE:

Nitrile synthetic rubber

COVER:

Carbryn® synthetic rubber, RMA Class A (High Oil Resistance) with Microban® built-in product protection.

REINFORCEMENT:

Braided (1) steel wire

TEMPERATURE:

-20°F to 250°F (-29°C to 121°C)

PACKAGING:

500' reel, maximum 3 pieces, 50' increments: coupled lengths available

BRANDING:

Continuous brand example Fortress™ 3000 with Microban® Built-in Protection 3/8" 3000 psi WP. Made in USA by Goodyear™.

COUPLINGS:

Use Goodyear's pressure washer fittings with this product. See page 235 for available sizes. Refer to Goodyear's Hose Assembly Manual for crimp procedures. Coupled lengths with MxMS fittings and Kink Guards available.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

539-400 (Yellow) 539-401 (Blue)

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1/4	6.4	0.53	13.5	3000	20.69	0.15	0.22
3/8	9.5	0.69	17.5	3000	20.69	0.24	0.36
1/2	12.7	0.82	20.8	3000	20.69	0.32	0.48

*Microban antimicrobial product protection inhibits the growth of bacteria, mold, and fungi that can cause odor, stains, or degradation of the hose cover.

Microban is intended to protect the hose cover only. It is not a substitute for good sanitary practices.



FOOD WASHDOWN

SPECTRA™ 300



APPLICATION:	A high quality, economical construction for hot water up to 200°F (93°C) cleanup service in food processing plants, dairies, packing houses, bottling plants, breweries, canneries and creameries.		
CONSTRUCTION			
TUBE:	Black Nitrile synthetic rubber, RMA Class A (High Oil Resistance), non-FDA		
COVER:	White Chemivic® synthetic rubber, RMA Class A (High Oil Resistance)		
REINFORCEMENT:	Spiral synthetic yarn		
TEMPERATURE:	-20°F to 200°F (-29°C to 93°C)		
PACKAGING:	1/2"—3/4"	500' reels, maximum 3 pieces, 50' increments	
	1"	450' reels, maximum 3 pieces, 50' increments	
BRANDING:	Continuous brand example Spectra (19.1 mm) 300 psi WP. Made in USA by Goodyear™.		
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.		
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.		
ORDER CODES:	569-019		

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1/2	12.7	0.91	23.1	300	2.07	0.27	0.40
3/4	19.1	1.18	30.0	300	2.07	0.40	0.60
1	25.4	1.50	38.1	300	2.07	0.60	0.89

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

FOOD WASHDOWN

SPECTRA™ 1000



APPLICATION:

For use on pressure washer machines with working pressures up to 1000 psi. Its oil-resistant cover provides protection against the effects of oil and animal fats.

CONSTRUCTION

TUBE:

Nitrile synthetic rubber

COVER:

Yellow oil-resistant synthetic rubber, RMA Class A (High Oil Resistance)

REINFORCEMENT:

Braided (1) steel wire

TEMPERATURE:

-20°F to 250°F (-29°C to 121°C)

PACKAGING:

500' reel, maximum 3 pieces, 50' increments, coupled lengths available

BRANDING:

Continuous brand example Spectra™ 1000 3/8" 1000 psi WP. Made in USA by Goodyear™.

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

539-404

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
3/8	9.5	0.69	17.5	1000	6.90	0.23	0.34
1/2	12.7	0.81	20.6	1000	6.90	0.29	0.42
3/4	19.1	1.10	27.9	1000	6.90	0.42	0.63

Note: Not recommended for steam service.



FOOD WASHDOWN

SPECTRA™ 3000



APPLICATION:	For use on pressure washer machines with working pressures up to 3000 psi. Its oil-resistant cover provides protection against the effects of oil and animal fats.
CONSTRUCTION	
TUBE:	Nitrile synthetic rubber
COVER:	Yellow oil-resistant synthetic rubber, RMA Class A (High Oil Resistance)
REINFORCEMENT:	Braided (1) steel wire
TEMPERATURE:	-20°F to 250°F (-29°C to 121°C)
PACKAGING:	500' reels, maximum 3 pieces, 50' increments, coupled lengths available
BRANDING:	Continuous brand example Spectra™ 3000 3/8" 3000 psi W.P. Made in USA by Goodyear™.
COUPLINGS:	Use Goodyear's pressure washer fittings with this product. See page 235 for available sizes. Refer to Goodyear's Hose Assembly Manual for crimp procedures. Coupled lengths with MxMS fittings and Kink Guards available.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	539-413

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1/4	6.4	0.54	13.7	3000	20.69	0.16	0.24
3/8	9.5	0.69	17.5	3000	20.69	0.24	0.36
1/2	12.7	0.82	20.8	3000	20.69	0.32	0.48

Note: Not recommended for steam service.

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

FOOD WASHDOWN

SANI-WASH™ 300



APPLICATION:

An economical hose for hot water washdown up to 205°F cleanup in food processing plants, dairies, packing houses, bottling plants, breweries, canneries and creameries.

CONSTRUCTION

TUBE:

Versigard® synthetic rubber

COVER:

White Versigard synthetic rubber

REINFORCEMENT:

Textile reinforced

TEMPERATURE:

-40°F to 200°F (-40°C to 93°C)

PACKAGING:

1/2"-3/4" 500' reels, maximum 3 pieces, 50' increments
1" 450' reels, maximum 3 pieces, 50' increments

BRANDING:

Brand example Goodyear™ Sani-Wash 300 psi WP 3/4" (19.1 mm)
Made in USA.

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

569-020

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1/2	12.7	0.84	21.3	300	2.07	0.26	0.39
5/8	15.9	1.00	25.4	300	2.07	0.31	0.46
3/4	19.1	1.17	29.7	300	2.07	0.42	0.63
1	25.4	1.47	37.3	300	2.07	0.62	0.92





	<i>Page</i>	<i>SAE</i>	<i>USCG</i>	<i>Hardwall</i>	<i>Softwall</i>
Marine Fuel Feed Vent Hose USCG/SAE J1527 Type A2	87	Yes	Yes		
Marine Fuel Feed Vent Hose USCG/SAE J1527 Type B2	88	Yes	Yes		
Marine Fuel Line USCG/SAE J1527 & ISO 7840 Type A1	86	Yes	Yes		
Plicord® Hardwall Wet Exhaust	81-82		Yes	Yes	
Plicord® SAE J1527 Type A2 (fuel fill)	85	Yes	Yes	Yes	
Plicord® Softwall Wet Exhaust	83-84		Yes		Yes

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

MARINE

PLICORD® HARDWALL WET EXHAUST



APPLICATION:

For water suction and discharge applications including: engine intake, bilge exhaust, toilet, holding tank and scupper lines. Also for industrial water suction and discharge applications where unique sizes are required to fit over pipe.

CONSTRUCTION

TUBE:

Black Nitrile synthetic rubber RMA Class A (High Oil Resistance)

COVER:

Black Plioflex® synthetic rubber (wrapped impression)

REINFORCEMENT:

Spiral-ply synthetic fabric with wire helix

TEMPERATURE:

-20°F to 180°F (-29°C to 82°C)

PACKAGING:

1/2"–5 1/2"	50' exact length, coiled and polywrapped
6"–8"	25' exact length, polywrapped

BRANDING:

Continuous spiral branding Industrial ORS/Wet Exhaust Goodyear.

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

543-193 (<6")	541-193 (>6")
---------------	---------------



MARINE

PLICORD® HARDWALL WET EXHAUST

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
1/2	12.7	0.95	24.3	250	1.72	2	51	29	737	0.35	0.52
5/8	15.9	1.07	27.3	200	1.38	2	51	29	737	0.40	0.59
3/4	19.0	1.19	30.4	200	1.38	3	76	29	737	0.46	0.68
7/8	22.2	1.32	33.5	200	1.38	3	76	29	737	0.52	0.77
1	25.4	1.44	36.6	150	1.03	3	76	29	737	0.57	0.84
1 1/8	28.6	1.58	40.3	150	1.03	4	102	29	737	0.64	0.95
1 1/4	31.8	1.70	43.3	150	1.03	4	102	29	737	0.70	1.04
1 5/16	33.3	1.76	44.8	125	0.86	4	102	29	737	0.72	1.07
1 3/8	34.9	1.82	46.3	125	0.86	4	102	29	737	0.75	1.11
1 1/2	38.1	1.94	49.3	100	0.69	4	102	29	737	0.81	1.20
1 5/8	41.3	2.07	52.8	100	0.69	4	102	29	737	0.87	1.29
1 3/4	44.4	2.22	56.4	100	0.69	4	102	29	737	0.94	1.40
1 7/8	47.6	2.33	59.3	100	0.69	6	152	29	737	0.99	1.47
2	50.8	2.44	62.4	75	0.52	6	152	29	737	1.05	1.56
2 1/8	54.0	2.59	65.8	75	0.52	6	152	29	737	1.11	1.65
2 1/4	57.1	2.70	68.6	75	0.52	6	152	29	737	1.16	1.72
2 3/8	60.3	2.83	72.1	75	0.52	8	203	29	737	1.22	1.81
2 1/2	63.5	3.02	76.8	75	0.52	8	203	29	737	1.57	2.33
2 5/8	66.7	3.16	80.3	75	0.52	8	203	29	737	1.65	2.45
2 3/4	69.8	3.28	83.3	50	0.34	8	203	29	737	1.72	2.56
2 7/8	73.0	3.40	86.5	50	0.34	8	203	29	737	1.79	2.66
3	76.2	3.51	89.1	50	0.34	10	254	29	737	1.77	2.63
3 1/8	79.4	3.66	93.0	50	0.34	10	254	29	737	1.86	2.77
3 1/4	82.5	3.78	96.2	50	0.34	10	254	29	737	1.92	2.86
3 1/2	88.9	4.05	103.0	50	0.34	10	254	29	737	2.07	3.08
4	101.6	4.53	115.2	50	0.34	12	305	29	737	2.45	3.65
4 1/8	104.8	4.66	118.4	30	0.21	12	305	29	737	2.52	3.75
4 1/2	114.3	5.10	129.7	30	0.21	14	356	29	737	3.47	5.17
5	127.0	5.61	142.5	30	0.21	24	610	29	737	3.83	5.70
5 1/8	130.2	5.74	145.8	30	0.21	24	610	29	737	4.19	6.24
5 1/2	139.7	6.12	155.4	30	0.21	24	610	29	737	4.48	6.67
6	152.4	6.67	169.4	30	0.21	30	762	29	737	5.19	7.73
6 1/8	155.6	6.79	172.6	30	0.21	30	762	29	737	5.30	7.89
6 5/8	168.3	7.49	190.4	30	0.21	36	914	29	737	7.93	11.8
8	203.2	8.87	225.4	30	0.21	44	1118	29	737	8.92	13.2

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

MARINE**PLICORD® SOFTWALL WET EXHAUST****APPLICATION:**

For water discharge applications for engines, toilets, scuppers and bilge pumps. Will not pant.

CONSTRUCTION**TUBE:**

Black Nitrile synthetic rubber RMA Class A (High Oil Resistance)

COVER:

Black Chemivic® synthetic rubber (wrapped impression)

REINFORCEMENT:

Spiral-plied synthetic fabric

TEMPERATURE:

-20°F to 180°F (-29°C to 82°C)

PACKAGING:

25' exact lengths, coiled and polywrapped

BRANDING:

Continuous spiral branding Industrial ORS/Wet Exhaust Goodyear.

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

543-154 (<6") 541-154 (>6")



MARINE

PLICORD® SOFTWALL WET EXHAUST

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	lb./ft.	kg./m.
1/2	12.7	0.94	23.9	250	1.72	0.29	0.43
5/8	15.9	1.06	27.8	200	1.38	0.34	0.50
3/4	19.0	1.18	30.0	200	1.38	0.26	0.38
7/8	22.2	1.30	33.2	200	1.38	0.44	0.65
1	25.4	1.43	36.3	150	1.03	0.48	0.71
1 1/8	28.6	1.57	39.9	150	1.03	0.54	0.80
1 1/4	31.8	1.69	43.0	150	1.03	0.59	0.87
1 5/16	33.3	1.75	44.5	125	0.86	0.64	0.90
1 3/8	34.9	1.81	46.0	125	0.86	0.64	0.95
1 1/2	38.1	1.92	49.0	100	0.62	0.62	0.92
1 5/8	41.3	2.06	52.5	100	0.69	0.74	1.10
1 3/4	44.4	2.20	56.0	100	0.69	0.80	1.19
1 7/8	47.6	2.32	59.0	100	0.69	0.84	1.25
2	50.8	2.51	63.7	75	0.52	1.04	1.54
2 1/8	54.0	2.64	67.1	75	0.52	1.10	1.63
2 1/4	57.1	2.75	69.9	75	0.52	1.15	1.71
2 3/8	60.3	2.94	74.7	75	0.52	1.35	2.01
2 1/2	63.5	3.05	77.6	75	0.52	1.41	2.10
2 5/8	66.7	3.19	81.1	75	0.52	1.48	2.20
2 7/8	73.0	3.44	87.4	75	0.52	1.61	2.31
3	76.2	3.54	90.1	50	0.34	1.66	2.47
3 1/8	79.4	3.70	94.0	50	0.34	1.74	2.59
3 1/2	88.9	4.09	109.0	50	0.34	1.94	2.89
4	101.6	4.57	116.1	50	0.34	2.18	3.24
4 1/8	104.8	4.69	119.3	30	0.21	2.24	3.33
4 1/2	114.3	5.06	128.6	30	0.21	2.43	3.62
5	127.0	5.56	141.3	30	0.21	2.68	3.99
5 1/8	130.2	5.68	144.3	30	0.21	2.75	4.11
5 1/2	139.7	6.09	154.8	30	0.21	2.94	4.38
6	152.4	6.56	166.6	30	0.21	3.19	4.75
6 1/8	155.6	6.68	169.8	30	0.21	3.25	4.84
6 5/8	168.3	7.37	187.3	30	0.21	4.78	7.12
8	203.2	8.75	222.2	30	0.21	5.72	8.52
8 5/8	219.1	9.34	237.3	20	0.14	6.12	9.11
10	254.0	10.73	272.7	20	0.14	7.08	10.54

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

MARINE

PLICORD® SAE J1527 TYPE A2 FUEL FILL



APPLICATION:

The Plicord SAE J1527 Type A2, ISO 7840 and CE Fuel Fill hose is for marine gasoline tanks. It is the connection from the boat's fuel fill port down to the boat's fuel tank.

CONSTRUCTION

TUBE:

Nitrile synthetic rubber RMA Class A (High Oil Resistance)

COVER:

Chemivic® synthetic rubber (wrapped impression)

REINFORCEMENT:

Spiral-plied synthetic fabric with wire helix

TEMPERATURE:

-20°F to 180°F (-29°C to 82°C)

PACKAGING:

25' exact length, coiled, and polywrapped

BRANDING:

Continuous brand example Goodyear™ SAE J1527, USCG Type A2, ISO 7840.

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

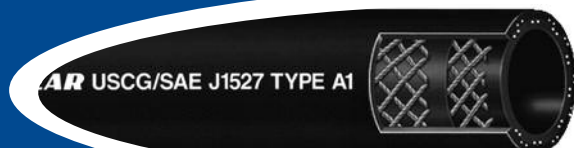
543-414

ID		NOM. OD		MAX. WP		BEND RADIUS		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	in.	mm.	lb./ft.	kg./m.
1 ^{1/4}	31.8	1.70	43.2	100	0.69	29	737	0.68	1.01
1 ^{1/2}	38.0	1.86	47.1	100	0.69	29	737	0.65	0.97
1 ^{7/8}	47.6	2.30	58.4	100	0.69	29	737	0.96	1.43
2	50.8	2.43	61.7	50	0.34	29	737	1.01	1.50
2 ^{3/8}	69.9	2.80	71.1	50	0.34	29	737	1.19	1.77



MARINE

MARINE FUEL LINE USCG/SAE J1527 & ISO 7840 TYPE A1



APPLICATION:	For marine gasoline tanks. For fuel feed and vent applications on marine pleasure craft. It meets U.S. Coast Guard and International Marine Certification Institute requirements for type A1 service.
CONSTRUCTION	
TUBE:	Black Nitrile synthetic rubber RMA Class A (High Oil Resistance)
COVER:	Black Chemivic® synthetic rubber
REINFORCEMENT:	Spiral synthetic yarn
TEMPERATURE:	0°F to 115°F (-17°C to 46°C)
PACKAGING:	200' reels, maximum 3 pieces, increments of 50'
BRANDING:	Continuous brand example Goodyear™ USCG/SAE J 1527 Type A1 ISO 7840-A1 CE.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	595-032

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1/4	6.4	0.65	16.5	49	0.34	0.17	0.25
5/16	7.9	0.71	18.0	49	0.34	0.19	0.28
3/8	9.5	0.78	19.8	49	0.34	0.20	0.30
1/2	12.7	0.89	23.0	36	0.25	0.26	0.39
5/8	15.9	1.06	25.8	36	0.25	0.35	0.52

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional Products
Chemical Charts
General Information
Minimum Run Requirements



Air &
 Multipurpose
 General Purpose
 Heavy Duty
 Push-on

Chemical
 Transfer

Cleaning
 Equipment

Food
 Transfer
 Washdown

Marine

Material Handling
 Abrasives
 Bulk Transfer
 Cement & Concrete

Mining

Petroleum
 Aircraft Fueling
 Dispensing
 Dock
 Transfer

Spray

Steam

Vacuum

Water
 Discharge
 Suction &
 Discharge
 Washdown

Welding

Coupling
 Systems

Appendix
 Additional
 Products
 Chemical Charts
 General
 Information
 Minimum Run
 Requirements

MARINE

MARINE FUEL FEED VENT HOSE USCG/ SAE J1527 TYPE A2 FIRE RETARDANT



APPLICATION:	For fuel feed and vent application on marine pleasure craft.
CONSTRUCTION	
TUBE:	Black Nitrile synthetic rubber RMA Class A (High Oil Resistance)
COVER:	Gray Chemivic® synthetic rubber
REINFORCEMENT:	Spiral synthetic yarn
TEMPERATURE:	0°F to 115°F (-17°C to 46°C)
PACKAGING:	500'–750' reels, maximum 3 pieces, minimum length 35'
BRANDING:	Continuous brand example Goodyear™ USCG/SAE J 1527 Type A2.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	595-022

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1/4	6.4	0.66	16.8	35	0.24	0.19	0.28
5/16	7.9	0.72	18.3	35	0.24	0.22	0.33
3/8	9.5	0.78	19.8	35	0.24	0.24	0.36
1/2	12.7	0.91	23.1	35	0.24	0.3	0.45
5/8	15.9	0.96	25.8	35	0.24	0.34	0.51



MARINE

MARINE FUEL FEED VENT HOSE USCG/ SAE J1527 TYPE B2 NON-FIRE RETARDANT



APPLICATION:	For fuel feed and vent application on marine pleasure craft.
CONSTRUCTION	
TUBE:	Nitrile synthetic rubber RMA Class A (High Oil Resistance)
COVER:	Gray Chemivic® synthetic rubber
REINFORCEMENT:	Spiral synthetic yarn
TEMPERATURE:	0°F to 115°F (-17°C to 46°C)
PACKAGING:	500'–750', maximum 3 pieces, minimum length 35'
BRANDING:	Continuous brand example Goodyear™ USCG/SAE J 1527 Type B2.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	595-009

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1/4	6.4	0.58	14.7	34	0.23	0.12	0.18
5/16	7.9	0.66	16.8	34	0.23	0.15	0.22
3/8	9.5	0.70	17.8	34	0.23	0.16	0.24
1/2	12.7	0.81	20.6	34	0.23	0.18	0.27
5/8	15.9	0.96	24.4	34	0.23	0.19	0.28

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

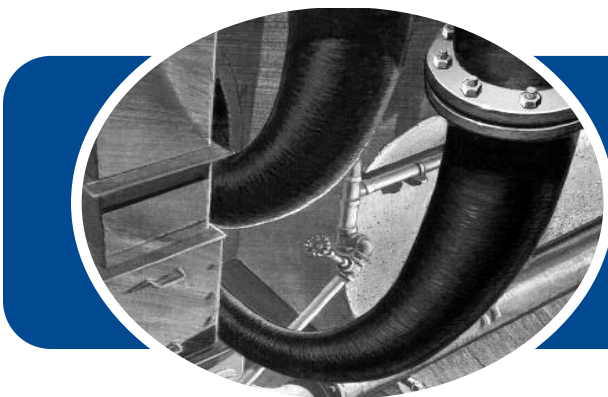
Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



ABRASIVES

	Page	Food Grade	Clear	Static Dissipating/ Static Conductive Tube	Temperature Range	Static Wire	Thermo-plastic	Rubber
Artrac®	94			Yes	-30°F to 158°F		Yes	
Blucor™	92			Yes*	-25°F to 180°F			Yes
Blucor Couplings™	93							
Diversiflex®	95			Yes*	-25°F to 180°F			Yes
Diversipipe® 75	96			Yes*	-40°F to 180°F			Yes
Diversipipe® 150	97			Yes*	-40°F to 180°F			Yes
Flexible Downspout	98				-25°F to 180°F			Yes
Lightrac™	99			Yes	-30°F to 158°F		Yes	
Nutriflex™ Static Wire	64	Yes	Yes		-15°F to 158°F	Yes	Yes	
Plicord® Blast	90			Yes	-25°F to 180°F			Yes
Plicord® Dredge Sleeve	100			Yes	-20°F to 325°F			Yes
Plicord® RVC	101				-20°F to 180°F			Yes
Plicord® Sand Suction	102			Yes	-25°F to 180°F			Yes
Plicord® XF Blast	91			Yes	-25°F to 180°F			Yes
Sandblast Deadman	103				-20°F to 190°F			Yes
Spirathane HD™	104				0°F to 158°F		Yes	
Spirathane LD™	106		Yes		0°F to 158°F		Yes	
Spirathane PT™	105	Yes	Yes		0°F to 158°F	Yes	Yes	

* Black Tufsyn Only



ABRASIVES

PLICORD® BLAST



APPLICATION:	Heavy-duty hose for steel shot or sand blasting in cleaning or finishing metal, stone, glass or other surfaces.
CONSTRUCTION	
TUBE:	Tufsyn® synthetic rubber (static dissipating/static conductive)
COVER:	2 ply: Black Plioflex® synthetic rubber (wrapped impression) 4 ply: Green Plioflex synthetic rubber (wrapped impression)
REINFORCEMENT:	Spiral-plied synthetic fabric
TEMPERATURE:	-25°F to 180°F (-32°C to 82°C)
PACKAGING:	50' lengths, coiled and polywrapped
BRANDING:	Spiral brand Goodyear™ Plicord Blast 150 psi WP.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.

PLICORD BLAST (2 PLY)

ORDER CODES: 549-020

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1/2	12.7	1.13	28.7	150	1.03	0.41	0.61
3/4	19.1	1.48	37.6	150	1.03	0.68	1.01
1	25.4	1.88	47.8	150	1.03	1.05	1.56
1 1/4	31.8	2.16	54.9	150	1.03	1.26	1.88
1 1/2	38.1	2.38	60.5	150	1.03	1.42	2.11
2	50.8	2.86	72.6	150	1.03	1.70	2.53

PLICORD BLAST (4 PLY)

ORDER CODES: 549-027

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1/2	12.7	1.14	26.7	150	1.03	0.44	0.61
3/4	19.1	1.50	38.1	150	1.03	0.71	1.06
1	25.4	1.88	47.8	150	1.03	1.08	1.61
1 1/4	31.8	2.16	54.9	150	1.03	1.31	1.95
1 1/2	38.1	2.38	60.5	150	1.03	1.45	2.16
2	50.8	2.88	73.2	150	1.03	1.75	2.60

 Air &
 Multipurpose
General Purpose
Heavy Duty
Push-on

 Chemical
 Transfer

 Cleaning
 Equipment

 Food
Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

 Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

 Water
Discharge
Suction &
Discharge
Washdown

Welding

 Coupling
 Systems

 Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements


Air &
 Multipurpose
 General Purpose
 Heavy Duty
 Push-on

 Chemical
 Transfer

 Cleaning
 Equipment

 Food
 Transfer
 Washdown

Marine

Material Handling

 Abrasives
 Bulk Transfer
 Cement & Concrete

Mining

 Petroleum
 Aircraft Fueling
 Dispensing
 Dock
 Transfer

Spray

Steam

Vacuum

 Water
 Discharge
 Suction &
 Discharge
 Washdown

Welding

 Coupling
 Systems

 Appendix
 Additional
 Products
 Chemical Charts
 General
 Information
 Minimum Run
 Requirements

ABRASIVES

PLICORD® XF BLAST



APPLICATION: Standard-duty hose for steel shot or sand blasting in cleaning or finishing metal, stone, glass or other surfaces.

CONSTRUCTION

TUBE: Tufsyn® synthetic rubber (static dissipating/static conductive)

COVER: Black Plioflex® synthetic rubber (static dissipating/static conductive) (wrapped impression)

REINFORCEMENT: Spiral-plied synthetic fabric

TEMPERATURE: -25°F to 180°F (-32°C to 82°C)

PACKAGING: 50' lengths, coiled and polywrapped

BRANDING: Continuous spiral brand Goodyear™ XF Blast 150 psi WP.

COUPLINGS: Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES: Refer to page 300 for special production run minimum requirements.

PLICORD XF BLAST (2 PLY)

ORDER CODES: 549-018

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
5/8	15.9	1.13	28.7	150	1.03	0.37	0.55
7/8	22.2	1.51	38.4	150	1.03	0.61	0.91
1 1/8	28.6	1.88	47.8	150	1.03	0.92	1.37
1 3/8	34.9	2.15	54.6	150	1.03	1.12	1.67
1 5/8	41.3	2.38	60.5	150	1.03	1.21	1.80
2 1/8	54.0	2.89	73.4	150	1.03	1.53	2.28

PLICORD XF BLAST (4 PLY)

ORDER CODES: 549-019

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
5/8	15.9	1.12	28.5	150	1.03	0.35	0.52
7/8	22.2	1.50	38.1	150	1.03	0.71	1.06
1 1/8	28.6	1.88	47.8	150	1.03	0.93	1.38
1 3/8	34.9	2.16	54.9	150	1.03	1.11	1.65
1 5/8	41.3	2.38	60.5	150	1.03	1.23	1.83
2 1/8	54.0	2.88	73.2	150	1.03	1.48	2.20



ABRASIVES

BLUCOR™


APPLICATION:	Blucor™ material handling hose with the Goodyear 150 psi bolt-on split flange coupling is an easy and economical choice. Blucor has the high strength needed to handle pressure or suction service in the transfer of dry bulk, slurry, salt, cement, fertilizers and a limited quantity of oil-based products.										
CONSTRUCTION											
TUBE:	3/8" Black Pureten™, 3/8" Black Tufsyn™ (static dissipating/static conductive), or 3/8" Tan Pureten										
COVER:	Black corrugated abrasion-resistant Plioflex® (wrapped impression)										
REINFORCEMENT:	Spiral-plied synthetic fabric with wire helix										
TEMPERATURE:	-25°F to 180°F (-32°C to 82°C)										
PACKAGING:	3"-8" Coiled or straight, polywrapped 10"-12" Straight, polywrapped										
BRANDING:	Continuous blue spiral brand Goodyear™ Blucor Black Pureten Liner.										
COUPLINGS:	Blucor bolt-on split flange couplings, see page 93.										
NON-STOCK/SIZES:	Maximum shipping length: 3"-8": 100'; 10" & 12": 50'										
ORDER CODES:	541-789 (black Pureten) 541-458 (tan Pureten) 541-788 (black Tufsyn)										

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
3	76.2	4.39	111.5	150	1.03	16	406	29	737	4.63	6.89
4	101.6	5.25	133.4	150	1.03	20	508	29	737	5.67	8.44
6	152.4	7.37	187.2	150	1.03	36	914	29	737	9.48	14.11
8	203.2	9.44	239.8	150	1.03	48	1219	29	737	14.20	21.13
10	254.0	11.38	289.1	150	1.03	60	1524	29	737	16.63	24.75
12	304.8	13.81	350.8	100	0.69	72	1829	29	737	23.40	34.82

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

ABRASIVES

BLUCOR™ COUPLINGS

BOLT-ON SPLIT FLANGE COUPLINGS



SPECIFICATIONS:

Each fitting is manufactured of high-tensile 432 aluminum alloy. All flanges are 150 lbs. ANSI B16.5. Bolt-on split flange couplings are supplied with necessary mounting hardware (bolts, nuts and washers). Internal configurations of fitting corrugations has been designed specifically to match the corrugation of the Goodyear Blucor hose.

ORDER CODES:

604-189

ID		NOM. OD		WEIGHT	
<i>in.</i>	<i>mm.</i>	<i>in.</i>	<i>mm.</i>	<i>lb./ft.</i>	<i>kg./m.</i>
3	76.2	7.5	190.5	3.6	5.36
4	101.6	9.0	228.6	4.0	5.95
6	152.4	11.0	279.4	8.2	12.20
8	203.2	13.5	342.9	14.0	20.83
10	254.0	16.0	406.4	25.0	37.20
12	304.8	19.0	482.6	30.0	44.64



ABRASIVES

ARTRAC®



APPLICATION:	The Artrac® hose is used for a variety of abrasive, material-handling applications to transfer sand, gravel, cement, fly ash, glass, metals, plastic pellets, fertilizers, rock salts and slurries.		
CONSTRUCTION			
TUBE:	Thermoplastic alloyed blend of polyurethane and PVC (static dissipating/static conductive)		
COVER:	Thermoplastic alloyed blend of nitrile, polyurethane, and PVC (nonconductive) (Available with conductive cover-see order code below.)		
REINFORCEMENT:	Rigid high density PVC helix		
TEMPERATURE:	-30°F to 158°F (-34°C to 70°C)		
PACKAGING:	1 1/4"—6"	100' lengths, coiled and polywrapped	
	8"—10"	20' lengths, polytube	
BRANDING:	Not branded		
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.		
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.		
ORDER CODES:	586-462	586-522 (with conductive cover)	

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
1 1/4	31.8	1.63	41.4	45	0.31	3	76	29	737	0.34	0.51
1 1/2	38.1	1.89	48.0	40	0.28	3	81	29	737	0.40	0.60
2	50.8	2.47	62.7	40	0.28	6	140	29	737	0.67	1.00
2 1/2	63.5	3.05	77.5	35	0.24	6	152	29	737	0.87	1.29
3	76.2	3.69	93.7	30	0.21	8	191	29	737	1.16	1.73
4	101.6	4.81	122.2	30	0.21	11	279	29	737	2.16	3.21
5	127.0	5.78	146.8	30	0.21	10	381	29	737	2.60	3.87
6	152.4	7.08	179.8	25	0.17	20	508	29	737	3.43	5.10
8	203.2	9.22	234.2	20	0.14	30	762	29	737	5.84	8.69
10	254.0	11.21	284.7	20	0.14	45	1143	29	737	7.96	11.85

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
 Multipurpose
 General Purpose
 Heavy Duty
 Push-on

Chemical
 Transfer

Cleaning
 Equipment

Food
 Transfer
 Washdown

Marine

Material Handling

Abrasives
 Bulk Transfer
 Cement & Concrete

Mining

Petroleum
 Aircraft Fueling
 Dispensing
 Dock
 Transfer

Spray

Steam

Vacuum

Water
 Discharge
 Suction &
 Discharge
 Washdown

Welding

Coupling
 Systems

Appendix
 Additional
 Products
 Chemical Charts
 General
 Information
 Minimum Run
 Requirements

ABRASIVES

DIVERSIFLEX®


APPLICATION:

Provides the high strength needed to handle pressure or suction service in the movement of nonoily dry bulk materials such as salt, cement, fertilizers and dry chemicals. Typical applications include unloading hoppers to rail cars or barges and transferring materials from rail cars or barges to storage units.

CONSTRUCTION
TUBE:

1/4" Black Tufsyn® synthetic rubber for abrasion resistance (static dissipating/static conductive)

COVER:

Abrasion-resistant Plioflex® synthetic rubber (corrugated surface) (wrapped impression)

REINFORCEMENT:

Spiral-plied synthetic fabric with wire helix

TEMPERATURE:

-25°F to 180°F (-32°C to 82°C)

PACKAGING:

Polywrapped

BRANDING:

Continuous brand Goodyear™ Plicord Diversiflex Hose 75 psi Max WP.

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES:

Available up to 18" ID.

ORDER CODES:

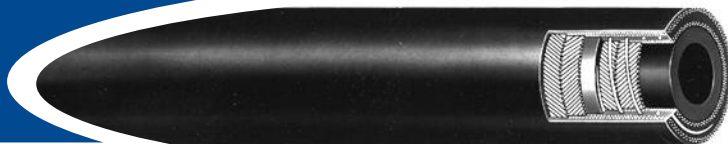
541-400

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
4	101.6	4.88	124.0	75	0.52	20	508	29	737	3.43	5.10
5	127.0	6.25	158.5	75	0.52	25	635	29	737	6.32	9.41
6	152.4	6.92	175.8	75	0.52	36	914	29	737	5.84	8.69
6 ^{5/8}	168.3	7.60	193.0	75	0.52	40	1016	29	737	7.04	10.48
8	203.2	9.05	229.9	75	0.52	48	1219	29	737	9.22	13.72
8 ^{5/8}	219.2	9.69	246.1	75	0.52	52	1321	29	737	10.82	16.10
10	254.0	11.04	280.4	75	0.52	60	1524	29	737	12.04	17.92
12	304.8	13.16	334.3	75	0.52	72	1829	29	737	16.38	24.38
12 ^{3/4}	323.9	13.91	353.3	75	0.52	77	1956	29	737	17.78	26.46



ABRASIVES

DIVERSIPIPE® 75



APPLICATION:

A high-quality flexible hose for replacing cast iron pipes for the transfer of abrasive materials or corrosive chemicals where installation requires minimum bends or where the inherent flexibility of a durable rubber hose is required. Diversipipe is also available in a softwall construction for discharge service.

CONSTRUCTION

TUBE:

Black Tufsyn® synthetic rubber (static dissipating/static conductive) for slurry and dry bulk transfer, black Pureten™ for slurry, tan Pureten for slurry with high kinetic energy

COVER:

Plioflex® synthetic rubber (wrapped impression)

REINFORCEMENT:

Spiral-plied synthetic fabric with wire helix

TEMPERATURE:

-40°F to 180°F (-40°C to 82°C)

PACKAGING:

Polywrapped

BRANDING:

Continuous brand Goodyear™ Plicord Material Handling Hose, 75 psi Max WP.

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES:

Available up to 18" ID

ORDER CODES:

Black Tufsyn: 541-047 (1/4" tube gauge) 541-044* (3/8" tube gauge)
541-050* (1/2" tube gauge)
Black Pureten: 541-731 (1/4" tube gauge)
Tan Pureten: 541-335 (1/4" tube gauge) 541-353* (3/8" tube gauge)
541-665* (1/2" tube gauge)

DIVERSIPIPE 75 (1/4" tube gauge)

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
2	50.8	2.91	73.9	75	0.52	12	304.80	29	736.6	1.98	2.95
2 1/2	63.5	3.39	86.1	75	0.52	15	381.00	29	736.6	2.44	3.64
3	76.2	3.89	98.8	75	0.52	18	457.20	29	736.6	2.99	4.46
4	101.6	4.91	124.7	75	0.52	24	609.60	29	736.6	3.79	5.65
4 1/2	114.3	5.50	139.7	75	0.52	27	685.80	29	736.6	4.74	7.06
5	127.0	6.44	163.6	75	0.52	30	762.00	29	736.6	5.48	8.17
6	152.4	7.13	181.1	75	0.52	36	914.40	29	736.6	7.33	10.92
6 5/8	168.3	7.78	197.6	75	0.52	39.7	1009.65	29	736.6	8.36	12.46
8	203.2	9.19	233.4	75	0.52	48	1219.20	29	736.6	10.48	15.62
8 5/8	219.1	9.75	247.6	75	0.52	51.75	1314.45	29	736.6	11.43	17.03
10	254.0	11.23	285.2	75	0.52	60	1524.00	29	736.6	14.83	22.10
12	304.8	13.31	338.1	75	0.52	72	1828.80	29	736.6	18.16	27.06
12 3/4	323.8	14.22	361.2	75	0.52	76.5	1943.10	29	736.6	22.51	33.54

*Note: 3/8" and 1/2" tube gauge specs available on request. Contact Goodyear Customer Service.

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products

Chemical Charts
General
Information
Minimum Run
Requirements



Air &
 Multipurpose
 General Purpose
 Heavy Duty
 Push-on

Chemical
 Transfer

Cleaning
 Equipment

Food
 Transfer
 Washdown

Marine

Material Handling

Abrasives
 Bulk Transfer
 Cement & Concrete

Mining

Petroleum
 Aircraft Fueling
 Dispensing
 Dock
 Transfer

Spray

Steam

Vacuum

Water
 Discharge
 Suction &
 Discharge
 Washdown

Welding

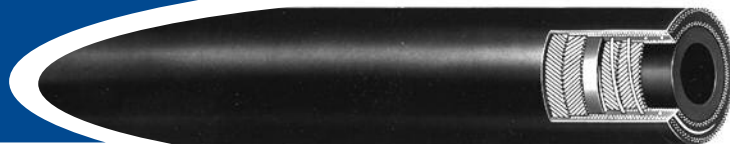
Coupling
 Systems

Appendix
 Additional
 Products
 Chemical Charts

General
 Information
 Minimum Run
 Requirements

ABRASIVES

DIVERSIPIPE® 150


APPLICATION:

A high-quality flexible hose for replacing cast iron pipes for the transfer of abrasive materials or corrosive chemicals where installation requires minimum bends or where the inherent flexibility of a durable rubber hose is required. Diversipipe is also available in a softwall construction for a discharge service.

**CONSTRUCTION
 TUBE:**

Black Tufsyn® (static dissipating/static conductive) for slurry and dry bulk transfer, black Pureten for slurry, tan Pureten for slurry with high kinetic energy

COVER:

Plioflex® synthetic rubber (wrapped impression)

REINFORCEMENT:

Spiral-plied synthetic fabric with wire helix

TEMPERATURE:

-40°F to 180°F (-40°C to 82°C)

PACKAGING:

Polywrapped

BRANDING:

Continuous brand Goodyear™ Plicord Material Handling Hose, 150 psi Max WP.

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES:

Available up to 18" ID

ORDER CODES:

Black Tufsyn:	541-362 (1/4" tube gauge)	541-364* (3/8" tube gauge)
	541-360* (1/2" tube gauge)	
Black Pureten:	541-372 (1/4" tube gauge)	541-350* (3/8" tube gauge)
	541-369* (1/2" tube gauge)	
Tan Pureten:	541-380 (1/4" tube gauge)	541-366* (3/8" tube gauge)
	541-373* (1/2" tube gauge)	

DIVERSIPIPE 150 (1/4" tube gauge) *

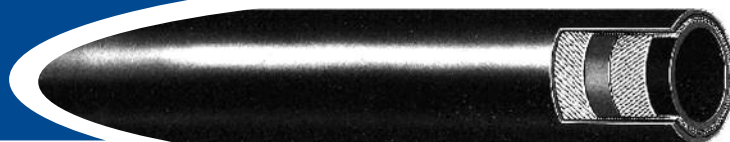
ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
2	50.8	2.97	75.4	150	1.03	12	304.80	29	736.6	2.11	3.14
2 1/2	63.5	3.44	87.4	150	1.03	15	381.00	29	736.6	2.65	3.95
3	76.2	3.94	100.1	150	1.03	18	457.20	29	736.6	3.05	4.54
4	101.6	5.00	127.0	150	1.03	24	609.60	29	736.6	4.10	6.11
4 1/2	114.3	5.53	140.5	150	1.03	27	685.80	29	736.6	4.91	7.32
5	127.0	6.09	154.7	150	1.03	30	762.00	29	736.6	6.01	8.95
6	152.4	7.22	183.4	150	1.03	36	914.40	29	736.6	8.13	12.11
6 5/8	168.3	7.84	199.1	150	1.03	40	1016.00	29	736.6	9.34	13.92
8	203.2	9.06	230.1	150	1.03	48	1219.20	29	736.6	11.51	17.15
8 5/8	219.1	10.03	254.8	150	1.03	52	1320.80	29	736.6	14.35	21.38
10	254.0	11.38	289.1	150	1.03	60	1524.00	29	736.6	16.40	24.44
12	304.8	13.47	342.1	150	1.03	72	1828.80	29	736.6	19.83	29.55
12 3/4	323.8	14.31	363.5	150	1.03	76	1930.40	29	736.6	23.38	34.84

*Note: 3/8" and 1/2" tube gauge specs available on request. Contact Goodyear Customer Service.



ABRASIVES

FLEXIBLE DOWNSPOUT



APPLICATION:	Flexible Downspout is an economical choice for gravity flow service. Install only in a vertical position.
CONSTRUCTION	
TUBE:	1/8" Black Tufsyn® synthetic rubber for abrasion resistance (static dissipating/static conductive)
COVER:	Black Plioflex® synthetic rubber (wrapped impression)
REINFORCEMENT:	Spiral-plied synthetic fabric
TEMPERATURE:	-25°F to 180°F (-32°C to 82°C)
PACKAGING:	Polywrapped
BRANDING:	Continuous brand Goodyear™ Flexible Downspout.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Available up to 18" ID.
ORDER CODES:	541-015

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
4	101.6	4.41	111.9	50	0.34	1.28	1.89
4 1/2	114.3	4.90	124.5	50	0.34	1.46	2.17
6	152.4	6.40	162.6	35	0.24	1.92	2.86
6 5/8	168.3	7.02	178.3	35	0.24	2.11	3.14
8	203.2	8.40	213.4	25	0.17	2.54	3.78
8 5/8	219.1	8.99	228.4	25	0.17	2.72	4.05
10	254.0	10.38	263.7	20	0.14	3.15	4.69
10 3/4	273.1	11.23	285.2	20	0.14	3.84	5.71
12	304.8	12.46	316.5	15	0.10	4.28	6.37
12 3/4	323.9	13.21	335.5	15	0.10	4.54	6.76
14	355.6	14.56	369.9	15	0.10	4.91	7.32
16	406.4	16.53	419.9	10	0.07	5.59	8.33

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

ABRASIVES



APPLICATION:

Goodyear's Lightrac™ is for lightweight abrasive service such as sawdust, dry fertilizers, insulation, grain, fly ash, cement dust, salts and other light abrasive materials.

CONSTRUCTION

TUBE:

Thermoplastic alloy, polyurethane, and PVC (static dissipating/static conductive)

COVER:

Thermoplastic alloy of nitrile, polyurethane, and PVC (nonconductive)

REINFORCEMENT:

Rigid, high-density Pliovic™ PVC helix

TEMPERATURE:

-30°F to 158°F (-34°C to 70°C)

PACKAGING:

Coiled and polywrapped

BRANDING:

Not branded

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

586-486

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
2	50.8	2.47	62.7	35	0.24	4	102	29	737	0.61	0.91
3	76.2	3.44	87.4	30	0.21	6	140	29	737	0.80	1.19
4	101.6	4.70	119.4	25	0.17	9	229	29	737	1.48	2.20
5	127.0	5.71	145.0	25	0.17	10	254	29	737	2.02	3.01
6	152.4	6.99	177.6	20	0.14	12	305	15	381	2.23	3.32
8	203.2	8.90	226.1	15	0.10	17	432	15	381	4.02	5.98



ABRASIVES

PLICORD® DREDGE SLEEVE



APPLICATION:	The Plicord® Dredge Sleeve is used as a flexible connection between pipe sections on the discharge line of hydraulic-type dredges.
CONSTRUCTION	
TUBE:	3/8" Tufsyn® abrasion-resistant rubber (static dissipating/static conductive). Other gauges available upon request.
COVER:	Black Plioflex® synthetic rubber (wrapped impression)
REINFORCEMENT:	Multiple plies spirals synthetic and fabric
TEMPERATURE:	-25°F to 180°F (-32°C to 82°C)
PACKAGING:	Polywrapped
BRANDING:	Continuous brand Goodyear™ Plicord Dredge Sleeve.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	541-107

Available on request

541-290 1/2" Tufsyn tube 150 psi
 541-177 1/2" Black Pureten 150 psi
 541-081 3/4" Tufsyn tube 150 psi
 541-107 3/4" Black Pureten 150 psi

ID		NOM. OD		MAX. WP		BEND RADIUS		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	in.	mm.	lb./ft.	kg./m.
6 ^{1/2}	114.3	6.09	154.7	75	0.52	40	1016	7.00	10.42
6 ^{5/8}	168.3	8.22	208.8	75	0.52	60	1524	9.77	14.54
8 ^{5/8}	219.1	10.31	261.9	75	0.52	80	2032	13.59	20.22
10 ^{3/4}	273.1	12.50	317.5	75	0.52	100	2540	16.72	24.88
12 ^{3/4}	323.9	14.53	369.1	75	0.52	120	3048	20.04	29.82
14	355.6	15.89	403.6	75	0.52	140	3556	22.65	33.71
16	406.4	17.84	453.1	75	0.52	160	4064	24.91	37.07
18	457.2	19.94	506.5	75	0.52	180	4572	27.80	41.37

Air &
 Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
 Transfer

Cleaning
 Equipment

Food
Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
 Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
 Multipurpose
 General Purpose
 Heavy Duty
 Push-on

Chemical
 Transfer

Cleaning
 Equipment

Food
 Transfer
 Washdown

Marine

Material Handling

Abrasives
 Bulk Transfer
 Cement & Concrete

Mining

Petroleum
 Aircraft Fueling
 Dispensing
 Dock
 Transfer

Spray

Steam

Vacuum

Water
 Discharge
 Suction &
 Discharge
 Washdown

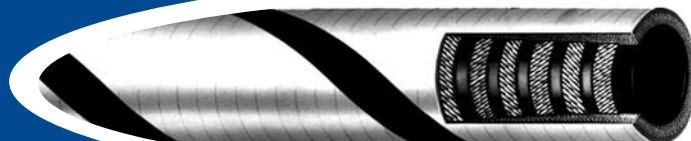
Welding

Coupling
 Systems

Appendix
 Additional
 Products
 Chemical Charts
 General
 Information
 Minimum Run
 Requirements

ABRASIVES

PLICORD® RVC



APPLICATION:	For use on reverse drilling rigs.
CONSTRUCTION	
TUBE:	Black Tufsyn® synthetic rubber: 1/4" Gauge–2"–4" I.D.; 1/2" Gauge–6"; 3/8" Gauge–8"
COVER:	Blue Plioflex® synthetic rubber with orange spiral transfer brand (wrapped impression)
REINFORCEMENT:	Spiral-plied synthetic fabric: 2" & 3" ID–6 plies; 4" & 6" ID–8 plies; 8" ID–10 plies
TEMPERATURE:	-20°F to 180°F (-29°C to 82°C)
PACKAGING:	100' length, coiled and polywrapped
BRANDING:	Continuous spiral brand Goodyear Reverse Circulation 600 psi Max W.P. Made in Canada.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Custom lengths available.
ORDER CODES:	549-341

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
2	50.8	3.11	79.0	600	4.14	2.37	3.53
3	76.2	4.17	105.9	600	4.14	3.39	5.04
4	101.6	5.39	136.9	600	4.14	5.15	7.66
6	152.4	7.91	200.9	600	4.14	10.66	15.86
8	203.2	9.89	251.2	600	4.14	12.54	18.66



ABRASIVES

PLICORD® SAND SUCTION



APPLICATION:	Plicord® Sand Suction hose is for use on the suction end of hydraulic dredges. It provides a flexible connection between dredging lines and pumps.
CONSTRUCTION	
TUBE:	3/8" Black Tufsyn® synthetic rubber for abrasion resistance (static dissipating/static conductive). Also available in 1/2" or 3/4" tube gauge.
COVER:	Black Plioflex® synthetic rubber (wrapped impression)
REINFORCEMENT:	Spiral-plied synthetic fabric with wire helix
TEMPERATURE:	-25°F to 180°F (-32°C to 82°C)
PACKAGING:	Custom lengths polywrapped
BRANDING:	Continuous brand Goodyear™ Style M Sand Suction.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Custom lengths available.
ORDER CODES:	541-267 (3/8" tube) 541-268 (3/4" tube) 541-265 (1/2" tube)

ID		NOM. OD		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	in.	mm.	in.	mm.	lb./ft.	kg./m.
4	101.6	5.31	134.9	40	1016	30	762	5.71	8.50
5	127.0	6.98	177.3	46	1168	30	762	9.47	14.09
6	152.4	7.54	191.5	52	1321	30	762	11.35	16.89
6 ^{5/8}	168.3	8.20	208.3	55	1397	30	762	13.96	20.77
8	203.2	9.63	244.6	62	1575	30	762	16.93	25.19
8 ^{5/8}	219.1	10.25	260.4	68	1727	30	762	17.85	26.56
10	254.0	11.81	300.0	76	1930	30	762	23.94	35.63
10 ^{3/4}	273.1	12.63	320.8	82	2083	30	762	25.68	38.22
12	304.8	13.91	353.3	91	2311	30	762	28.95	43.08
12 ^{3/4}	323.9	14.59	370.6	94	2388	30	762	29.98	44.61

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
 Multipurpose
 General Purpose
 Heavy Duty
 Push-on

Chemical
 Transfer

Cleaning
 Equipment

Food
 Transfer
 Washdown

Marine

Material Handling

Abrasives
 Bulk Transfer
 Cement & Concrete

Mining

Petroleum
 Aircraft Fueling
 Dispensing
 Dock
 Transfer

Spray

Steam

Vacuum

Water
 Discharge
 Suction &
 Discharge
 Washdown

Welding

Coupling
 Systems

Appendix
 Additional
 Products
 Chemical Charts
 General
 Information
 Minimum Run
 Requirements

ABRASIVES

SANDBLAST DEADMAN


APPLICATION:

Goodyear's Double Line Sandblast Deadman hose is for use with systems for the automatic shut-off of sandblasting equipment at the operator end of the system. Used in a pneumatic closed circuit pattern, deadman hose is connected to air-actuated shut valves which, in turn, are controlled at all times by the sandblast operator via a "deadman" switch at the nozzle end of the sandblast hose.

**CONSTRUCTION
 TUBE:**

Premium-quality Versigard® synthetic rubber, RMA Class C (Limited Oil Resistance)

COVER:

Yellow/Yellow Versigard, RMA Class C (Limited Oil Resistance)

REINFORCEMENT:

Spiral-plied synthetic yarn

TEMPERATURE:

-20°F to 190°F (-29°C to 88°C)

PACKAGING:

450'–750' reels, maximum 2 pieces, minimum length 25'

BRANDING:

Continuous brand 3/16" ID (4.8mm) Sandblast Deadman Made in USA by Goodyear™

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

569-595

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
3/16	4.8	0.44	11.2	200	1.38	0.14	0.21



ABRASIVES

SPIRATHANE™ HD



APPLICATION:	For dry pneumatic conveying of solids where heavy duty abrasive conditions are present. Sizes 1½"–5" rated to full vacuum.
CONSTRUCTION TUBE:	Polyurethane RMA Class B (Medium Oil Resistance) with improved abrasion resistance
COVER:	High-density, low-temperature blue Pliovic™ compound
REINFORCEMENT:	High-density, rigid Pliovic PVC helix
TEMPERATURE:	0°F to 158°F (-18°C to 70°C)
PACKAGING:	1½"–6" 100' lengths, coiled and polywrapped 8"–10" 20' lengths, polytube with corrugated protection
BRANDING:	Not branded
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	586-407

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
1½	38.1	1.86	47.2	50	0.34	4	99	29	737	0.34	0.51
2	50.8	2.47	62.7	50	0.34	6	140	29	737	0.63	0.94
2½	63.5	3.12	79.3	50	0.34	7	178	29	737	0.95	1.41
3	76.2	3.64	92.5	40	0.28	8	203	29	737	1.37	2.04
4	101.6	4.77	121.2	35	0.24	14	356	29	737	1.98	2.95
5	127.0	5.83	148.1	30	0.21	20	508	29	737	2.41	3.59
6	152.4	6.84	173.7	23	0.16	25	635	25	635	3.08	4.58
8	203.2	8.75	222.3	20	0.14	48	1219	25	635	4.53	6.74
10	254.0	10.96	278.4	20	0.14	75	1905	25	635	6.36	9.46

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

ABRASIVES

SPIRATHANE™ PT



APPLICATION:

For the transfer of a variety of dry, bulk, and abrasive materials. It is used in applications where static electrical buildup is common. For powders, plastic pellets and granular materials.

CONSTRUCTION

TUBE:

Polyurethane conforms to FDA standards.

COVER:

High molecular weight, clear PVC, corrugated for flexibility.

REINFORCEMENT:

High-density, rigid Pliovic™ PVC helix with static wire placed between tube and cover.

TEMPERATURE:

0°F to 158°F (-18°C to 70°C)

PACKAGING:

100' lengths, coiled and polywrapped

BRANDING:

Not branded

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

586-489

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
1 ^{1/2}	38.1	1.82	46.2	45	0.31	4	102	29	737	0.31	0.46
1 ^{3/4}	44.5	2.15	54.6	45	0.31	5	127	29	737	0.38	0.57
2	50.8	2.38	60.5	30	0.21	6	152	29	737	0.52	0.77
2 ^{1/4}	57.2	2.77	70.4	35	0.24	7	165	29	737	0.63	0.94
2 ^{1/2}	63.5	3.03	77.0	30	0.21	7	178	29	737	0.69	1.03
3	76.2	3.63	92.2	30	0.21	8	203	29	737	1.15	1.71
4	101.6	4.76	120.9	27	0.19	14	356	29	737	1.63	2.43
5	127.0	5.83	148.1	27	0.19	20	508	29	737	2.13	3.17



ABRASIVES

SPIRATHANE™ LD



APPLICATION:	For dry pneumatic conveying of solid fines where abrasion is present and service conditions are moderate. Excellent for low-pressure blowing applications.
CONSTRUCTION	
TUBE:	Clear Polyurethane, RMA Class B (Medium Oil Resistance)
REINFORCEMENT:	High-density rigid white Pliovic™ helix
TEMPERATURE:	0°F to 158°F (-18°C to 70°C)
PACKAGING:	1 1/2"–6" 100' lengths, coiled and polywrapped 8"–10" 20' lengths, polywrapped with corrugated protection
BRANDING:	Not branded
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	586-406

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
1 1/2	38.1	1.84	46.7	30	0.21	2	51	22	559	0.25	0.37
2	50.8	2.35	59.7	25	0.17	3	71	21	533	0.34	0.51
2 1/2	63.5	2.89	73.4	20	0.14	4	89	19	483	0.44	0.65
3	76.2	3.45	87.6	20	0.14	4	102	18	457	0.60	0.89
4	101.6	4.53	115.1	15	0.10	7	178	13	330	0.88	1.31
5	127.0	5.56	141.2	10	0.07	8	203	10	254	1.09	1.62
6	152.4	6.57	166.9	10	0.07	12	305	7	178	1.53	2.28
8	203.2	8.59	218.2	6	0.04	23	584	5	127	1.73	2.57
10	254.0	10.75	273.1	5	0.03	30	762	4	102	2.75	4.09

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



BULK TRANSFER

	<i>Page</i>	<i>Food Grade</i>	<i>Static Dissipating/ Static Conducting Tube</i>	<i>Temp Range</i>	<i>Suction</i>	<i>Discharge Only</i>
Black Softwall	108		Yes	-25°F to 180°F		Yes
Exstatic™	60	Yes	Yes	-25°F to 150°F	Yes	
Flextra® Dry Material	111		Yes	-40°F to 180°F	Yes	
Harvest™	61	Yes		-25°F to 180°F	Yes	
Plicord® Torridair™ Hot Air Blower	109			-40°F to 400°F	Yes	
Pyroflex II® Hot Air	110			-20°F to 325°F	Yes	
Tan Flextra®	113	Yes		-40°F to 180°F	Yes	
Tan Flexwing®	112	Yes		-40°F to 180°F	Yes	
Tan Softwall	114	Yes		-40°F to 180°F		Yes



BULK TRANSFER

BLACK SOFTWALL



APPLICATION:	For the discharge of dry bulk cement from tank truck and in-plant service.
CONSTRUCTION	
TUBE:	1/8" (static dissipating/static conductive) Black Tufsyn® synthetic rubber. Available in 1/8", 3/16", and 1/4" tube gauges.
COVER:	Black Plioflex® synthetic rubber with white spiral stripe (wrapped impression)
REINFORCEMENT:	Spiral-plied synthetic fabric
TEMPERATURE:	-25°F to 180°F (-32°C to 82°C)
PACKAGING:	100' lengths, coiled and polywrapped
BRANDING:	Continuous spiral brand Goodyear™ Black Softwall.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure. Use Goodyear's Insta-Lock Cam & Groove Fittings with this product. See page 221 for available Insta-Lock products.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	549-152 (1/8" tube gauge) 549-149 (3/16" tube gauge) 549-148 (1/4" tube gauge)

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
4	101.6	4.42	112.27	50	0.34	1.38	2.05
5	127.0	5.44	138.18	50	0.34	1.82	2.71
6	152.4	6.45	163.83	50	0.34	2.25	3.35

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

BULK TRANSFER

PLICORD® TORRIDAIR™ HOT AIR BLOWER



APPLICATION:

Designed to transfer hot, nonoily air (up to 400°F) from manifold blowers or in-plant compressors to holding tanks used in the transfer of dry bulk materials.

CONSTRUCTION

TUBE:

Black, STF (Super Thermo-Flo) Versigard® synthetic rubber

COVER:

Black, weather-resistant, STF (Super Thermo-Flo) Versigard® synthetic rubber (wrapped impression)

REINFORCEMENT:

Spiral-plied synthetic fabric with double wire helix

TEMPERATURE:

-40°F to 400°F (-40°C to 204°C)

PACKAGING:

100' lengths, coiled and polywrapped

BRANDING:

Continuous spiral brand Goodyear™ Torridair Blower Hose 400°F.

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure. Use Goodyear's Insta-Lock Cam & Groove Fittings with this product. See page 221 for available Insta-Lock products.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

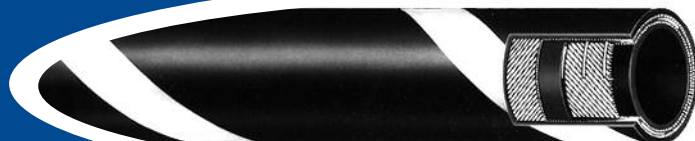
549-856

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
1 ^{1/4}	31.8	1.73	44.0	75	0.52	3	75	29	737	0.66	0.98
1 ^{1/2}	38.1	1.97	50.1	75	0.52	4	100	29	737	0.79	1.18
2	50.8	2.51	63.8	75	0.52	5	127	29	737	1.06	1.58
2 ^{1/2}	63.5	3.00	76.2	75	0.52	6	152	29	737	1.35	2.01
3	76.2	3.53	89.7	75	0.52	7	178	29	737	1.84	2.74
4	101.6	4.60	116.8	100	0.69	16	400	29	737	2.47	3.68
4 ^{1/2}	114.3	5.14	130.5	100	0.69	20	500	29	737	2.93	4.37
5	127.0	5.65	143.5	100	0.69	25	625	29	737	3.56	5.30
6	152.4	6.70	170.0	100	0.69	30	750	29	737	4.46	6.65



BULK TRANSFER

PYROFLEX® II HOT AIR



APPLICATION:	For conveying hot air from compressors to tanks on bulk dry material carriers.
CONSTRUCTION	
TUBE:	Black heat-resistant Versigard® synthetic rubber
COVER:	Heat-resistant black Versigard synthetic rubber with orange spiral stripe (wrapped impression)
REINFORCEMENT:	Spiral-plied synthetic fabric with wire helix
TEMPERATURE:	-20°F to 325°F (-29°C to 163°C)
PACKAGING:	100' lengths, coiled and polywrapped
BRANDING:	Continuous spiral brand Goodyear™ Pyroflex II Hot Air.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure. Use Goodyear's Insta-Lock Cam & Groove Fittings with this product. See page 221 for available Insta-Lock products.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	549-394

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
2	50.8	2.55	64.8	50	0.34	5	127	29	737	1.22	1.82
3	76.2	3.55	90.2	50	0.34	7	178	29	737	1.93	2.87
4	101.6	4.61	117.1	50	0.34	10	254	29	737	2.65	3.94
5	127.0	5.60	142.3	50	0.35	25	625	29	737	3.78	5.63
6	152.4	6.74	171.1	50	0.35	30	750	29	737	4.80	7.15

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

BULK TRANSFER

FLEXTRA® DRY MATERIAL



APPLICATION:

A static dissipating/static conductive hose for tank truck and in-plant service. Used to convey nonoily abrasive materials such as sand, limestone and plastic pellets. Recommended where static buildup can be a problem.

CONSTRUCTION

TUBE:

3/16" Gauge Black Tufsyn® synthetic rubber (static dissipating/static conductive)

COVER:

Black Plioflex® synthetic rubber (corrugated) with yellow spiral band (wrapped impression)

REINFORCEMENT:

Spiral-plied synthetic fabric with wire helix

TEMPERATURE:

-40°F to 180°F (-40°C to 82°C)

PACKAGING:

100' lengths, coiled and polywrapped

BRANDING:

Continuous spiral brand Goodyear™ Flextra Dry Material 75 psi WP.

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

549-126

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
1	25.4	1.58	40.1	75	0.52	3	76	29	737	0.68	1.01
1 1/2	38.1	2.11	53.6	75	0.52	4	89	29	737	1.03	1.53
2	50.8	2.63	66.8	75	0.52	4	102	29	737	1.29	1.92
2 1/2	63.5	3.13	79.5	75	0.52	5	127	29	737	1.65	2.46
3	76.2	3.69	93.7	75	0.52	6	152	29	737	2.15	3.20
4	101.6	4.75	120.7	75	0.52	9	229	29	737	3.09	4.60
5	127.0	5.78	146.9	75	0.52	20	500	29	737	4.16	6.20
6	152.4	6.81	173.1	75	0.52	24	600	29	737	5.47	8.15



BULK TRANSFER

TAN FLEXWING®



APPLICATION:	Tan Flexwing® is for acids, alcohol bases and salt solutions.
CONSTRUCTION TUBE:	Tan Pureten™ gum rubber (non oil-resistant) (FDA/USDA compliant)
COVER:	Tan Plioflex® synthetic rubber (non oil-resistant) with blue spiral stripe (wrapped impression)
REINFORCEMENT:	Spiral-plied synthetic fabric with wire helix
TEMPERATURE:	100' lengths, coiled and polywrapped
PACKAGING:	-40°F to 180°F (-40°C to 82°C)
BRANDING:	Continuous spiral brand Goodyear™ Tan Flexwing with Pureten 150 psi WP.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	546-068

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
1	25.4	1.61	40.9	150	1.03	3.5	89	29	737	0.75	1.12
1 ^{1/4}	31.8	1.91	48.5	150	1.03	4.0	102	29	737	0.95	1.41
1 ^{1/2}	38.1	2.14	54.4	150	1.03	4.0	102	29	737	1.08	1.61
2	50.8	2.68	68.1	150	1.03	5.0	127	29	737	1.44	2.14
2 ^{1/2}	63.5	3.24	82.3	150	1.03	6.0	152	29	737	1.93	2.87
3	76.2	3.75	95.3	150	1.03	7.0	178	29	737	2.32	3.45
4	101.6	4.83	122.7	150	1.03	10.0	254	29	737	3.39	5.04
6	152.4	6.96	176.8	150	1.03	30.0	762	29	737	6.04	8.99

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

BULK TRANSFER

TAN FLEXTRA®



APPLICATION:

For tank truck and in-plant service. Used to convey nonoily abrasive materials such as sand, limestone, plastic pellets and dry abrasive food products. Do not use where static electricity is a problem.

CONSTRUCTION

TUBE:

Pureten™ gum rubber (FDA/USDA compliant)

COVER:

Tan Plioflex® gum rubber (corrugated) with yellow spiral stripe (wrapped impression)

REINFORCEMENT:

Spiral-plied synthetic fabric with wire helix

TEMPERATURE:

-40°F to 180°F (-40°C to 82°C)

PACKAGING:

1 1/2"-4" 100' lengths, coiled and polywrapped
5"-6" 50' lengths, coiled and polywrapped

BRANDING:

Continuous spiral brand Goodyear™ Tan Flextra with Pureten 75 psi WP.

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

549-116

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
1 1/2	38.0	2.09	53.1	75	0.52	4	102	29	737	0.99	1.47
2	50.8	2.60	66.0	75	0.52	4	102	29	737	1.21	1.80
3	76.2	3.63	92.2	75	0.52	6	152	29	737	1.94	2.89
4	101.6	4.69	119.1	75	0.52	9	229	29	737	2.74	4.08
5	127.0	5.78	146.8	75	0.52	12	305	29	737	4.26	6.34
6	152.4	6.78	172.2	75	0.52	15	381	29	737	4.92	7.32



BULK TRANSFER

TAN SOFTWALL



APPLICATION:	A fabric-reinforced hose for the discharge of nonoily abrasive materials such as sand, limestone, gravel, plastic pellets and dry food products. For use where static electrical buildup is not a problem.		
CONSTRUCTION			
TUBE:	Tan Pureten® gum rubber (FDA/USDA compliant)		
COVER:	Tan Plioflex® synthetic rubber (wrapped impression)		
REINFORCEMENT:	Spiral-plied synthetic fabric with static wire		
TEMPERATURE:	-40°F to 180°F (-40°C to 82°C)		
PACKAGING:	2"–4"	100' lengths, coiled and polywrapped	
	5"–6"	50' lengths, coiled and polywrapped	
BRANDING:	Continuous spiral brand Goodyear™ Tan Softwall with Pureten 75 psi WP.		
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.		
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.		
ORDER CODES:	549-040		

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
2	50.8	2.68	68.1	75	0.52	1.22	1.82
3	76.2	3.69	93.7	75	0.52	1.80	2.68
4	101.6	4.78	121.4	75	0.52	2.61	3.88
5	127.0	5.77	146.6	75	0.52	3.19	4.75
6	152.4	6.77	172.0	75	0.52	3.78	5.63

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



 Air &
 Multipurpose
General Purpose
Heavy Duty
Push-on

 Chemical
 Transfer

 Cleaning
 Equipment

 Food
Transfer
Washdown

 Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

 Mining

 Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

 Spray

 Steam

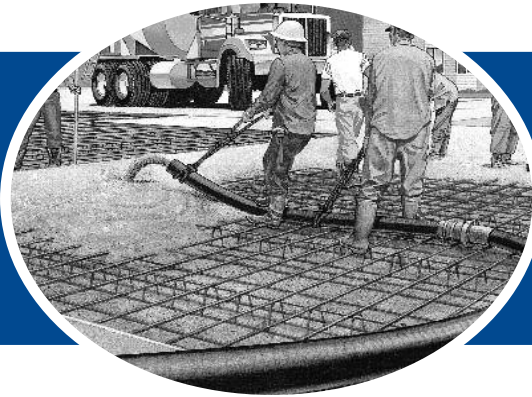
 Vacuum

 Water
Discharge
Suction &
Discharge
Washdown

 Welding

 Coupling
 Systems

 Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



CEMENT & CONCRETE

	Page	Textile	Wire
Allcrete Textile® (plaster, grout, & concrete)	117	Yes	
Allcrete® Wire	118		Yes
Plicord® Auger Arc Piling	116	Yes	
Plicord Gunite® (tan)	119	Yes	



CEMENT & CONCRETE

PLICORD® AUGER ARC PILING



APPLICATION:	For use in handling a multitude of materials being pumped to concrete forms and structures.
CONSTRUCTION	
TUBE:	Black Tufsyn™
COVER:	Black SBR with gray abrasion-resistant spiral strip
REINFORCEMENT:	6 fabric plies with boot straps
TEMPERATURE:	-35°F to 180°F (-37°C to 82°C)
PACKAGING:	50' lengths, coiled and poly-wrapped
BRANDING:	Continuous spiral brand. Example: Goodyear™ Auger ARC Piling...Date Code... Made in Canada.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	549-815

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
2	50.8	3.03	77.0	1000	6.9	1.92	2.86
2 1/2	63.5	3.48	88.4	800	5.5	2.18	3.24
3	76.2	4.02	102.1	800	5.5	2.66	3.96

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

CEMENT & CONCRETE

ALLCRETE® TEXTILE PLASTER, GROUT & CONCRETE



APPLICATION:

For use in plaster & grout and shotcrete applications, handling a multitude of materials being pumped to concrete structures, dams, tunnel faces, swimming pools, etc. For use as a flexible connection between pumping equipment and hard piping.

CONSTRUCTION

TUBE:

Black Tufsyn® synthetic rubber

COVER:

Black Plioflex® rubber (wrapped impression)

REINFORCEMENT:

Spiral-plied high-strength fabric

TEMPERATURE:

-25°F to 180°F (-32°C to 82°C)

PACKAGING:

50' lengths, coiled and polywrapped

BRANDING:

Allcrete Textile Ply Plaster, Grout Concrete by Goodyear 2" 1233 psi / 85 Bars WP, 4.8 lbs/ft, Meets or Exceeds CPMA 27-2000

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

549-638

ID		NOM. OD		MAX. WP		WEIGHT	
<i>in.</i>	<i>mm.</i>	<i>in.</i>	<i>mm.</i>	<i>psi.</i>	<i>Mpa.</i>	<i>lb./ft.</i>	<i>kg./m.</i>
1	25.4	1.67	42.3	1233	8.5	0.67	1.00
1 ^{1/4}	31.8	1.93	49.0	1233	8.5	0.80	1.19
1 ^{1/2}	38.1	2.31	58.7	1233	8.5	1.14	1.70
2	50.8	2.83	71.8	1233	8.5	1.46	2.18
2 ^{1/2}	63.5	3.40	86.3	1233	8.5	1.96	2.92
3	76.2	3.92	99.6	1233	8.5	2.39	3.56
4	101.6	4.45	113.0	1233	8.5	2.71	4.04
5	127.0	4.94	125.6	1233	8.5	3.10	4.62



CEMENT & CONCRETE

ALLCRETE® WIRE



APPLICATION:	For handling wet concrete with high head pressures at the critical flex areas of a concrete boom truck and as a discharge hose on the delivery end of high-pressure concrete pumps.
CONSTRUCTION	
TUBE:	Black Tufsyn® synthetic rubber
COVER:	Black Plioflex® rubber (wrapped impression)
REINFORCEMENT:	Spiral-plied high-strength wire
TEMPERATURE:	-40°F to 180°F (-40°C to 82°C)
PACKAGING:	50' lengths, coiled and polywrapped
BRANDING:	Allcrete Steel Reinforced Concrete Hose by Goodyear 3" ID 1233 psi / 85 Bars WP, 11.2 lbs/ft, Meets or Exceeds CPMA 27-2000
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	549-670

ID		NOM. OD		MAX. WP		BEND RADIUS		WEIGHT	
<i>in.</i>	<i>mm.</i>	<i>in.</i>	<i>mm.</i>	<i>psi.</i>	<i>Mpa.</i>	<i>in.</i>	<i>mm.</i>	<i>lb./ft.</i>	<i>kg./m.</i>
2	50.8	3.01	76.4	1233	8.5	9	275	2.75	4.10
2½	63.5	3.50	88.9	1233	8.5	12	300	3.28	4.92
3	76.2	3.98	101.3	1233	8.5	14	350	3.80	5.65
4	101.6	5.02	127.4	1233	8.5	16	400	4.90	7.29
5	127.0	6.00	152.5	1233	8.5	20	500	5.98	8.90

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

CEMENT & CONCRETE

PLICORD GUNITE® TAN



APPLICATION:

For the efficient transfer of sand and cement to the placement mixing gun nozzle. Recommended for all types of gunning applications.

CONSTRUCTION

TUBE:

Tan Pureten™ gum rubber or black Tufsyn® rubber

COVER:

Tan Plioflex® synthetic rubber (wrapped impression)

REINFORCEMENT:

Spiral-plied synthetic fabric

TEMPERATURE:

-40°F to 180°F (-40°C to 82°C)

PACKAGING:

50' lengths, coiled and polywrapped

BRANDING:

Continuous spiral brand Goodyear™ Gunite 150 Max WP.

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES:

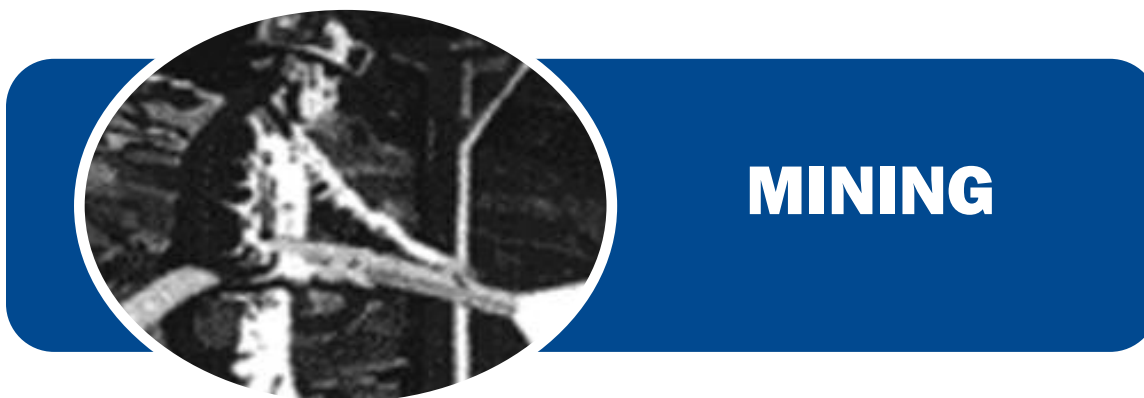
Refer to page 300 for special production run minimum requirements.

ORDER CODES:

549-862 (tan Pureten)
549-863 (black Tufsyn)
549-865 (tan Pureten with anti-static wires)

ID*		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1 1/4	31.8	2.16	54.9	150	1.03	1.24	1.85
1 1/2	38.1	2.43	61.7	150	1.03	1.48	2.20
1 5/8	41.3	2.58	65.5	150	1.03	1.60	2.38
1 3/4	44.5	2.70	68.6	150	1.03	1.68	2.50
2	50.8	2.94	74.7	150	1.03	1.86	2.77





Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

	<i>Page</i>	<i>Thermoplastic</i>	<i>Rubber</i>	<i>MSHA</i>	<i>Temp Range</i>	<i>Static Dissipating Tube</i>
Brigade™ Mine	122	Yes		Yes	-10°F to 150°F	
Flextra™ Rock Dust	123		Yes	Yes	-25°F to 200°F	Yes
M&P Mine Conduit	124		Yes	Yes	-20°F to 200°F	
Mine Spray	121		Yes	Yes	0°F to 200°F	
Plicord® Ammonium Nitrate Pellet	125		Yes	Yes	-25°F to 200°F	Yes
Plicord® Mine Conduit	126		Yes	Yes	-40°F to 200°F	
Spiraflex® Cable Guard	127	Yes		Yes	0°F to 150°F	
Spiraflex® Rock Dust	128	Yes		Yes	0°F to 158°F	
Spiraflex Yellow	192	Yes		Yes	-10°F to 150°F	



Air &
 Multipurpose
 General Purpose
 Heavy Duty
 Push-on

Chemical
 Transfer

Cleaning
 Equipment

Food
 Transfer
 Washdown

Marine

Material Handling
 Abrasives
 Bulk Transfer
 Cement & Concrete

Mining

Petroleum
 Aircraft Fueling
 Dispensing
 Dock
 Transfer

Spray

Steam

Vacuum

Water
 Discharge
 Suction &
 Discharge
 Washdown

Welding

Coupling
 Systems

Appendix
 Additional
 Products
 Chemical Charts
 General
 Information
 Minimum Run
 Requirements

MINING



MINE SPRAY



APPLICATION:

For general underground water spray service in dust control applications. It is also used on continuous mining machinery at the headface and on other mechanical mining machines.

CONSTRUCTION

TUBE:

Nitrile synthetic rubber RMA Class B (medium oil resistance)

COVER:

Yellow Chemivic synthetic rubber RMA Class B (medium oil resistance) (Meets flame test requirements of MSHA Schedule 26-Section 18.65), smooth finish

REINFORCEMENT:

Braided (1) steel wire

TEMPERATURE:

0°F to 200°F (-18°C to 93°C)

PACKAGING:

3/4"	500' reels or 50' cut lengths, 20 pieces per carton
1"	500' reels or 50' cut lengths, 12 pieces per carton
1 1/4"	500' reels or 50' cut lengths, 8 pieces per carton
1 1/2"	300' reels or 50' cut lengths, 6 pieces per carton
2"	50' cut lengths, 4 pieces per carton

BRANDING:

Continuous brand Goodyear™ 1" Mine Spray Hose 1000 psi WP, Fire-Resistant, USMSHA IC-11/9. Made in USA.

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

539-421

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
3/4	19.1	1.14	29.0	1000	6.9	0.45	0.67
1	25.4	1.45	36.8	1000	6.9	0.65	0.97
1 1/4	31.8	1.75	44.5	1000	6.9	0.91	1.35
1 1/2	38.1	1.98	50.3	1000	6.9	1.12	1.67
2	50.8	2.55	64.8	1000	6.9	1.64	2.44



MINING

BRIGADE™ MINE



GOODYEAR BRIGADE MINE FLAME-RESISTANT

APPLICATION:	For use as a mine fire protection hose in underground mines.
CONSTRUCTION	
TUBE:	Black fire-resistant Pliovic™
COVER:	Orange fire-resistant Pliovic
REINFORCEMENT:	Spiral synthetic yarn
TEMPERATURE:	-10°F to 150°F (-23°C to 66°C)
PACKAGING:	<div>1 1/2" 500' continuous one piece, coiled and banded</div> <div>2" 400' continuous one piece, coiled and banded</div> <div>2 1/2" 300' continuous one piece, coiled and banded</div>
BRANDING:	Continuous spiral brand Goodyear™ Brigade Mine Flame-Resistant. USMSHA No. 2G14. 2" (52.6mm) 150 psi (1.03 Mpa). Made in USA.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	537-506 (150 psi) 537-508 (200 psi)

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1 1/2	38.1	1.75	44.5	150	1.03	0.23	0.34
2	50.8	2.27	57.7	150	1.03	0.34	0.51
2 1/2	63.5	2.83	71.9	150	1.03	0.51	0.76
1 1/2	38.1	1.72	43.7	200	1.38	0.25	0.37
2	50.8	2.29	58.2	200	1.38	0.36	0.54
2-1/2	63.5	2.68	68.1	200	1.38	0.51	0.76

Note: Working pressures are rated at 72°F.

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

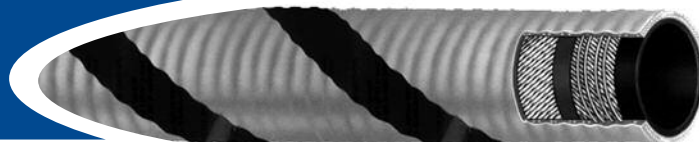
Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

MINING

FLEXTRA® ROCK DUST



APPLICATION:	For handling rock dust operations in underground mines.
CONSTRUCTION	
TUBE:	Black Tufsyn® synthetic rubber (static dissipating/static conductive)
COVER:	Yellow Chemivic® synthetic rubber, flame-resistant (MSHA) (wrapped impression)
REINFORCEMENT:	Spiral-plied synthetic fabric with wire helix
TEMPERATURE:	-25°F to 200°F (-32°C to 93°C)
PACKAGING:	50' lengths, coiled and polywrapped
BRANDING:	Continuous spiral brand Goodyear™ Rock Dust Flame-Resistant MSHA IC 11/7.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure. Soft-cuffed ends available upon special request.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	549-668

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
1 ^{1/4}	31.8	1.59	40.5	100	0.69	6	152	29	737	0.48	0.72
1 ^{1/2}	38.1	1.85	46.9	100	0.69	6	152	29	737	0.60	0.89
2	50.8	2.37	60.3	100	0.69	8	203	29	737	0.80	1.19
2 ^{1/2}	63.5	2.89	73.3	100	0.69	10	254	29	737	1.06	1.58
3	76.2	3.35	85.1	50	0.34	12	305	29	737	1.20	1.79
4	101.6	4.41	111.9	50	0.34	16	406	29	737	1.71	2.55



MINING

M&P MINE CONDUIT



APPLICATION:	A fabric-reinforced conduit hose for use as an electrical cable cover in underground mine service.
CONSTRUCTION	
TUBE:	Black flame-resistant synthetic
COVER:	Black flame-resistant synthetic (smooth cover)
REINFORCEMENT:	Spiral synthetic yarn
TEMPERATURE:	-20°F to 200°F (-29°C to 93°C)
PACKAGING:	Stocked in 50' pieces per box
BRANDING:	Continuous brand 3/4" (19.1mm) Mine Conduit Made in USA by Goodyear™. (MSHA Approved)
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	569-045

ID		NOM. OD		WEIGHT	
<i>in.</i>	<i>mm.</i>	<i>in.</i>	<i>mm.</i>	<i>lb./ft.</i>	<i>kg./m.</i>
1/2	12.7	0.94	23.9	0.29	0.43
5/8	15.9	1.06	26.9	0.35	0.52
3/4	19.1	1.19	30.2	0.39	0.58
7/8	22.2	1.32	33.5	0.45	0.67
1	25.4	1.43	36.3	0.46	0.68
1 1/8	28.6	1.56	39.6	0.60	0.89
1 1/4	31.8	1.69	42.9	0.62	0.92
1 3/8	34.9	1.82	46.2	0.71	1.06
1 1/2	38.1	1.95	49.5	0.75	1.12

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

MINING

PLICORD® AMMONIUM NITRATE PELLET



APPLICATION:	For pellet transfer in blasting hole loading.
CONSTRUCTION	
TUBE:	Black Nitrile synthetic rubber (static dissipating/static conductive)
COVER:	Black Nitrile synthetic rubber (static dissipating/static conductive)
REINFORCEMENT:	Spiral-plied synthetic fabric
TEMPERATURE:	-25°F to 200°F (-32°C to 93°C)
PACKAGING:	100' lengths, coiled and polywrapped
BRANDING:	Continuous spiral brand Goodyear™ Ammonium Nitrate Pellet 100 psi.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	549-232

ID		NOM. OD		MAX. WP		WEIGHT	
<i>in.</i>	<i>mm.</i>	<i>in.</i>	<i>mm.</i>	<i>psi.</i>	<i>Mpa.</i>	<i>lb./ft.</i>	<i>kg./m.</i>
3/4	19.1	1.17	29.7	100	0.69	0.33	0.49
1	25.4	1.42	36.1	100	0.69	0.34	0.51
1 ^{1/2}	38.1	1.92	48.8	100	0.69	0.59	0.88
2	50.8	2.49	63.3	100	0.69	0.76	1.13
2 ^{1/2}	63.5	2.94	74.7	100	0.69	0.90	1.34
3	76.2	3.42	86.9	100	0.69	1.10	1.64



MINING

PLICORD® MINE CONDUIT



APPLICATION:	A fabric-reinforced hose for use as an electrical cable cover in underground mines. Meets MSHA standards for flame-resistant cover.
CONSTRUCTION	
TUBE:	Black Wingprene® synthetic rubber
COVER:	Black Wingprene® synthetic rubber, flame-resistant (wrapped impression)
REINFORCEMENT:	Spiral-plied synthetic fabric
TEMPERATURE:	-40°F to 200°F (-40°C to 93°C)
PACKAGING:	50' lengths, coiled and polywrapped
BRANDING:	Continuous brand Goodyear™ Mine Conduit Hose, Flame-Resistant, USMSHA, #2G-14/15.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	549-039 (black cover) 549-035 (yellow cover)

ID		NOM. OD		WEIGHT	
in.	mm.	in.	mm.	lb./ft.	kg./m.
1/2	12.7	0.94	23.9	0.30	0.45
5/8	15.9	1.06	26.9	0.35	0.52
3/4	19.1	1.18	30.0	0.40	0.60
7/8	22.2	1.30	33.0	0.45	0.67
1	25.4	1.43	36.3	0.50	0.74
1 1/8	28.6	1.58	40.1	0.56	0.83
1 1/4	31.8	1.69	42.9	0.61	0.91
1 3/8	34.9	1.81	46.0	0.66	0.98
1 1/2	38.1	1.93	49.0	0.71	1.06
1 3/4	44.5	2.21	56.1	0.82	1.22
2	50.8	2.42	61.5	0.87	1.29
2 1/4	57.2	2.67	67.9	0.97	1.43
2 3/8	60.3	2.80	71.0	1.02	1.52
2 1/2	63.5	2.92	74.2	1.06	1.58
3	76.2	3.41	86.5	1.26	1.86
4	101.6	4.44	112.7	1.66	2.45

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

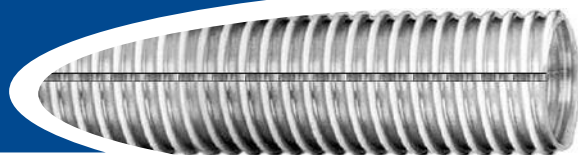
Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

MINING

SPIRAFLEX® CABLE GUARD



- APPLICATION:** For use as a protective cover for supply lines. Flame-resistant MSHA approved.
- CONSTRUCTION**
- TUBE:** Clear Pliovic™ corrugated for flexibility, MSHA
- HELIX:** White corrugated rigid high-density Pliovic™
- TEMPERATURE:** 0°F to 150°F (-18°C to 66°C)
- PACKAGING:** Continuous one piece, coiled and polywrapped, available in 50' or 100' lengths, available preslit longitudinally for easy installation.
- BRANDING:** Continuous brand Spiraflex Cable Guard, USMSHA IC-11/12. Made in USA by Goodyear™.
- NON-STOCK/SIZES:** Refer to page 300 for special production run minimum requirements.
- ORDER CODES:** 586-438

ID		NOM. OD		BEND RADIUS		WEIGHT	
in.	mm.	in.	mm.	in.	mm.	lb./ft.	kg./m.
2	50.8	2.28	57.9	3	76	0.34	0.51
3	76.2	3.37	85.6	6	152	0.52	0.77
4	101.6	4.44	112.8	9	229	0.75	1.12



MINING

SPIRAFLEX ROCK DUST™



APPLICATION:	Spiraflex® Rock Dust hose is a lightweight, flexible alternative to the rubber hose for handling rock dusting in underground coal mines.
CONSTRUCTION	
TUBE:	Green Pliovic™, meets MSHA standards USMSHA
COVER:	Green Pliovic™, meets MSHA standards USMSHA
REINFORCEMENT:	Rigid white Pliovic™ PVC helix
TEMPERATURE:	0°F to 158°F (-18°C to 70°C)
PACKAGING:	100' lengths, coiled and polywrapped
BRANDING:	Continuous brand example Rockdust USMSHA 2G-1C-14C/17 Spiraflex Made in USA by Goodyear™.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Static wire available, contact Customer Service.
ORDER CODES:	586-426 (corrugated cover) 586-427 (smooth cover with static wire, not available in 4")

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
1 ^{1/2}	38.1	1.75	44.5	44	0.30	4	97	29	737	0.28	0.42
2	50.8	2.35	59.7	30	0.21	6	140	29	737	0.61	0.91
2 ^{1/2}	63.5	2.87	72.9	30	0.21	7	178	29	737	0.61	0.91
3	76.2	3.40	86.4	30	0.21	8	203	29	737	0.77	1.15
4	101.6	4.45	113.0	27	0.19	14	356	15	381	0.95	1.41

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

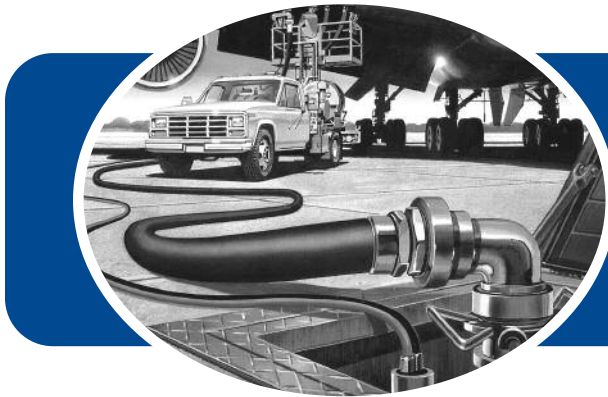
Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



PETROLEUM AIRCRAFT FUELING

	<i>Page</i>	<i>API 1529</i>	<i>NFPA</i>	<i>EN 1361</i>	<i>Static Dissipating Cover</i>
Advantage™	132	Yes			Yes
Deadman Aircraft Refueling	133				
Jet Ranger™	131	Yes		Yes	Yes
Refueling Sensing	134				
Wingcraft™	130	Yes	Yes		Yes



PETROLEUM AIRCRAFT FUELING

WINGCRAFT™



APPLICATION:	For fueling or defueling commercial and private aircraft. It handles jet fuel and the higher aromatic aviation gasolines. Its high working pressure permits use in fuel cart hydrant service. Hose meets API Bulletin 1529–6th edition, 2005 and N.F.P.A. Bulletin #407 (2001 revision).
CONSTRUCTION	
TUBE:	Black Nitrile synthetic rubber
COVER:	Black Wingprene® (ORS) static dissipating/static conductive synthetic rubber
REINFORCEMENT:	Spiral-plied synthetic fabric
TEMPERATURE:	-35°F to 200°F (-37°C to 93°C)
PACKAGING:	Cut lengths, coiled and polywrapped
BRANDING:	Continuous brand Goodyear™ Wingcraft Aircraft Fueling NFPA407, API/IP 1529/2005 Type C, Grade 2, 2", 2000 Kpa (300 psi) MAX WP."
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedures.
NON-STOCK/SIZES:	Custom lengths and fitting configurations available.
ORDER CODES:	543-738

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1	25.4	1.58	40.1	300	2.07	0.63	0.94
1 ^{1/4}	31.8	1.89	48.0	300	2.07	0.84	1.25
1 ^{1/2}	38.1	2.13	54.1	300	2.07	0.96	1.43
2	50.8	2.72	69.1	300	2.07	1.43	2.13
2 ^{1/2}	63.5	3.22	81.8	300	2.07	1.72	2.56
3	76.2	3.70	94.0	300	2.07	2.02	3.01
4	101.6	4.80	121.9	300	2.07	2.89	4.30

Note: Bulk hose and factory's assemblies are hydrostatic tested to 600 psi and certified.

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

PETROLEUM AIRCRAFT FUELING

JET RANGER™



APPLICATION:

Used in the fueling and defueling of commercial and private aircraft. Resistant to jet fuel and higher aromatic aviation gasolenes. Also for use on hydrant service. Meets both API 1529-6th edition, 2005 and European Standard BS EN 1361; 2004.

CONSTRUCTION

TUBE:

Black Nitrile synthetic rubber

COVER:

Black Wingprene® (ORS) static dissipating/static conductive synthetic rubber (wrapped finish)

REINFORCEMENT:

Spiral-plied (4) synthetic fabric and one nylon breaker

TEMPERATURE:

-35°F to 200°F (-37°C to 93°C)

PACKAGING:

Cut lengths, coiled and polywrapped

BRANDING:

Continuous spiral brand Goodyear™ Jet Ranger EN 1361:2004/C/Ω, NFPA 407 API/IP 1529/2005 Type C, Grade 2, 2½", 2000 Kpa/20 bars/300 psi MAX WP.

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

543-742

ID		NOM. OD		MAX. WP		WEIGHT	
<i>in.</i>	<i>mm.</i>	<i>in.</i>	<i>mm.</i>	<i>psi.</i>	<i>Mpa.</i>	<i>lb./ft.</i>	<i>kg./m.</i>
1½	38.1	2.06	52.3	300	2.07	0.86	1.28
1¾	50.0	2.57	65.3	300	2.07	1.14	1.70
2½	63.5	3.16	80.3	300	2.07	1.53	2.28
3	76.2	3.64	92.5	300	2.07	1.79	2.66

Note: Bulk hose is factory hydrostatic tested to 600 psi.



PETROLEUM AIRCRAFT FUELING

ADVANTAGE™



APPLICATION:	Goodyear Advantage™ Aircraft Fueling hose is for over and under the wing fueling of commercial and private aircraft. It handles jet fuel and av-gas up to 50% aromatic content.
CONSTRUCTION	
TUBE:	Black Nitrile synthetic rubber
COVER:	Black Wingprene® (ORS) static dissipating/static conductive synthetic rubber (wrapped impression)
REINFORCEMENT:	Spiral-plied (2) synthetic fabric and one breaker
TEMPERATURE:	-35°F to 200°F (-37°C to 93°C)
PACKAGING:	Cut lengths, coiled and polywrapped.
BRANDING:	Continuous brand Goodyear™ Advantage Aircraft Fueling Hose NFPA407, API/IP 1529/2005 Type C, Grade 1, 1 1/4", 1000 Kpa (150 psi) MAX WP.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedures.
NON-STOCK/SIZES:	Custom lengths and female fitting configurations available.
ORDER CODES:	543-429

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1	25.4	1.55	39.4	150	1.03	0.60	0.89
1 1/4	31.8	1.81	46.0	150	1.03	0.72	1.07
1 1/2	38.1	2.11	53.6	150	1.03	0.96	1.43

*Hose meets API Bulletin 1529-6th edition, 2005, Grade 1, Type C and N.F.P.A. Bulletin #407 (2001 revision).

Note: Bulk hose and factory's assemblies are hydrostatic tested to 300 psi and certified.

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



 Air &
 Multipurpose
General Purpose
Heavy Duty
Push-on

 Chemical
 Transfer

 Cleaning
 Equipment

 Food
Transfer
Washdown

 Marine

 Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

 Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

 Spray

 Steam

 Vacuum

 Water
Discharge
Suction &
Discharge
Washdown

 Welding

 Coupling
 Systems

 Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

PETROLEUM AIRCRAFT FUELING

DEADMAN AIRCRAFT REFUELING


APPLICATION:

Goodyear's double-line Deadman Refueling hose is for automatic shutoff at the operator end of aircraft hydrant and truck refueling systems. Used with pneumatic closed circuit systems commonly referred to as single point pressure refueling. Deadman hose is connected to air-actuated shut-off valves, which are controlled by the refueler technician at all times during aircraft refueling operations.

CONSTRUCTION
TUBE:

Nitrile synthetic rubber, RMA Class A (High Oil Resistance)

COVER:

Red/Green Chemivic® synthetic rubber, RMA Class A (High Oil Resistance)

REINFORCEMENT:

Spiral synthetic yarn

TEMPERATURE:

-20°F to 140°F (-29°C to 60°C)

PACKAGING:

450-750', maximum 3 pieces, minimum 35'

BRANDING:

Permanent contrasting black ink on the Red Hose only 1/4" ID. Aircraft Fueling Deadman. Made in USA by Goodyear™.

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

569-601

ID		NOM. OD		MAX. WP		WEIGHT	
<i>in.</i>	<i>mm.</i>	<i>in.</i>	<i>mm.</i>	<i>psi.</i>	<i>Mpa.</i>	<i>lb./ft.</i>	<i>kg./m.</i>
1/4	6.4	0.53	13.5	200	1.38	0.2	0.3



PETROLEUM AIRCRAFT FUELING

REFUELING SENSING



APPLICATION:

Goodyear's double-line Refueling Sensing hose is for use on pressurized aircraft hydrant fueling systems common at the larger metropolitan airports. The Sensing hose operates in a system where air and fuel from the underground hydrants monitor the flow and pressure of fuel being pumped into the aircraft. The hose carries the deadman function (automatic safety shutdown) and pressure control signals from the dispensing vehicle to the hydrant pit control valve.

CONSTRUCTION

TUBE:

Nitrile synthetic rubber, RMA Class A (High Oil Resistance)

COVER:

Orange/Black high-quality Hysunite® synthetic rubber

REINFORCEMENT:

Spiral synthetic yarn

TEMPERATURE:

-20°F to 140°F (-29°C to 60°C)

PACKAGING:

450'-750' reels, maximum 3 pieces, minimum 35'

BRANDING:

Permanent contrasting white ink on orange hose only.

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

569-604

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
3/8	9.5	0.66	16.8	200	1.38	0.28	0.42

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



PETROLEUM DISPENSING

	<i>Page</i>	<i>CUL + UL Approved</i>	<i>Stage II</i>	<i>Vapor Assist</i>	<i>Balance</i>	<i>Wire</i>	<i>Textile</i>	<i>Coupled Lengths</i>
Aggie Gas	141						Yes	Yes
Ambassador®	142	Yes				Yes		Yes
Arctic Softwall	143	Yes					Yes	Yes
BC Gasoline	144	Yes					Yes	Yes
BC Marina	145	Yes					Yes	Yes
Flexsteel® Hardwall	136	Yes				Yes		Yes
Flexsteel® Vapor Assist	137	Yes	Yes	Yes		Yes		Yes
Maxxim® Premier	138	Yes	Yes		Yes	Yes		Yes
Maxxim® Premier Plus	139	Yes	Yes		Yes	Yes		Yes
Pacer™	140	Yes					Yes	Yes
Redwing® Fuel Oil	146						Yes	Yes



PETROLEUM DISPENSING

FLEXSTEEL® HARDWALL



APPLICATION:	Flexsteel® Hardwall is for dispensing pump applications that require a hardwall construction for full flow and no internal spring guards. The wire-braid construction provides excellent kink resistance, low computer creep and long service life. UL 330 and CUL approved.		
CONSTRUCTION			
TUBE:	Nitrile synthetic rubber (ORS)		
COVER:	Black, Green, Red, Blue, or Yellow Chemivic® synthetic rubber (ORS)		
REINFORCEMENT:	Wire Braid		
TEMPERATURE:	-40°F to 140°F (-40°C to 60°C)		
PACKAGING:	5/8" and 3/4"	Reels or coupled lengths, 10 pieces per box	
	1"	Reels or coupled lengths, 5 pieces per box	
BRANDING:	Continuous brand Goodyear™ 559N, Made in USA. 3/4" (19 mm) UL, CUL. Listed Flexsteel Hardwall Gasoline Hose.		
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.		
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.		
ORDER CODES:	532-327 (black)	532-331 (green)	532-332 (red)
	532-333 (blue)	532-335 (yellow)	

ID		NOM. OD		WEIGHT	
in.	mm.	in.	mm.	lb./ft.	kg./m.
5/8	15.9	1.00	25.4	0.38	0.57
3/4	19.1	1.13	28.7	0.44	0.65
1	25.4	1.38	35.1	0.57	0.85

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
 Multipurpose
 General Purpose
 Heavy Duty
 Push-on

Chemical
 Transfer

Cleaning
 Equipment

Food
 Transfer
 Washdown

Marine

Material Handling
 Abrasives
 Bulk Transfer
 Cement & Concrete

Mining

Petroleum
 Aircraft Fueling
Dispensing
 Dock
 Transfer

Spray

Steam

Vacuum

Water
 Discharge
 Suction &
 Discharge
 Washdown

Welding

Coupling
 Systems

Appendix
 Additional
 Products
 Chemical Charts
 General
 Information
 Minimum Run
 Requirements

PETROLEUM DISPENSING

FLEXSTEEL® VAPOR ASSIST



APPLICATION:

For Stage II Vacuum Assist Systems where a pump in the dispenser pulls the gasoline vapors away from the vehicle fill pipe during fueling. The wire-braid construction for the fuel hose provides excellent kink resistance, low computer creep and long service life. Flexsteel® Vapor Assist is C.A.R.B. and UL 330/CUL approved.

CONSTRUCTION

TUBE:

Nitrile synthetic rubber (ORS)

COVER:

Chemivic® synthetic rubber (ORS)

REINFORCEMENT:

Braided (1) steel wire

TEMPERATURE:

-40°F to 140°F (-40°C to 60°C)

PACKAGING:

Coupled lengths only, 6 pieces per box

BRANDING:

3/4" Continuous brand Goodyear™ UL Listed Flexsteel Vapor Assist II.

7/8" Continuous brand Goodyear™ UL Listed Flexsteel Vapor Assist.

COUPLINGS:

Available only as factory coupled assembly.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

532-362

ID		NOM. OD		WEIGHT	
in.	mm.	in.	mm.	lb./ft.	kg./m.
3/4	19.1	1.13	28.7	0.47	0.70
7/8	22.2	1.25	31.8	0.51	0.76



PETROLEUM DISPENSING

MAXXIM® PREMIER



APPLICATION:

For Stage II Balance Systems where the gasoline vapors from the fill pipe are pushed back through the outer hose. The outer vapor hose has a textile-reinforced thermoplastic layer over a wire helix. The textile-reinforced thermoplastic cover has maximum puncture resistance, stable dimensions and long service life. The wire braid construction for the fuel hose provides excellent kink resistance and low computer creep. Maxxim® Premier hose is C.A.R.B. and UL 330/CUL approved.

CONSTRUCTION

TUBE:

Nitrile synthetic rubber (ORS)

COVER:

Chemivic® synthetic rubber (ORS), thermoplastic outer with textile reinforcement and wire helix

REINFORCEMENT:

Braided (1) steel wire

TEMPERATURE:

-40°F to 140°F (-40°C to 60°C)

PACKAGING:

Coupled lengths only, 6 pieces per box

BRANDING:

Not branded

COUPLINGS:

Available only as factory coupled assembly.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

532-365-440

ID		NOM. OD		WEIGHT	
in.	mm.	in.	mm.	lb./ft.	kg./m.
5/8	15.9	0.85	21.6	0.22	0.33

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

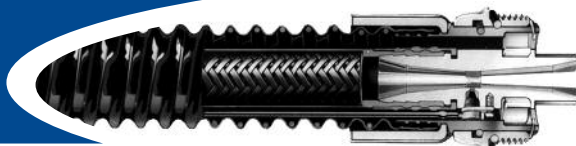
Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

PETROLEUM DISPENSING

MAXXIM® PREMIER PLUS™



APPLICATION:

Maxxim® Premier Plus™ incorporates a Venturi pump in the protected confines of the inner fuel hose coupling to keep the vapor path open in the outer hose. As gasoline flows through the Venturi pump, gasoline accumulating in the bottom loop of the vapor hose is collected and returned to the fuel hose. C.A.R.B. and UL 330/CUL approved.

CONSTRUCTION

TUBE:

Nitrile synthetic rubber (ORS)

COVER:

Chemivic® synthetic rubber (ORS), thermoplastic outer with textile reinforcement and wire helix.

REINFORCEMENT:

Braided (1) steel wire

TEMPERATURE:

-40°F to 140°F (-40°C to 60°C)

PACKAGING:

Coupled lengths only, 6 pieces per box

BRANDING:

Not branded

COUPLINGS:

Available only as factory coupled assembly.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

532-365-441

ID		NOM. OD		WEIGHT	
in.	mm.	in.	mm.	lb./ft.	kg./m.
5/8	15.9	0.85	21.6	0.22	0.33



PETROLEUM DISPENSING

PACER™



APPLICATION:	For all types of gasoline dispensing applications where flexibility and a lightweight hose is desired. Pacer® is designed with a spiral textile reinforcement. UL 330 and CUL approved.
CONSTRUCTION	
TUBE:	Nitrile synthetic rubber (ORS)
COVER:	Chemivic® synthetic rubber (ORS)
REINFORCEMENT:	Spiral synthetic yarn with static wire
TEMPERATURE:	-40°F to 140°F (-40°C to 60°C)
PACKAGING:	Reels or coupled lengths
BRANDING:	Continuous brand 3/4" Pacer by Goodyear™.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	595-015

ID		NOM. OD		WEIGHT	
<i>in.</i>	<i>mm.</i>	<i>in.</i>	<i>mm.</i>	<i>lb./ft.</i>	<i>kg./m.</i>
5/8	15.9	0.98	24.9	0.28	0.42
3/4	19.1	1.15	29.2	0.37	0.55
1	25.4	1.50	38.1	0.60	0.89

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
 Multipurpose
 General Purpose
 Heavy Duty
 Push-on

Chemical
 Transfer

Cleaning
 Equipment

Food
 Transfer
 Washdown

Marine

Material Handling
 Abrasives
 Bulk Transfer
 Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
 Dock
 Transfer

Spray

Steam

Vacuum

Water
 Discharge
 Suction &
 Discharge
 Washdown

Welding

Coupling
 Systems

Appendix
 Additional
 Products
 Chemical Charts
 General
 Information
 Minimum Run
 Requirements

PETROLEUM DISPENSING

AGGIE GAS



APPLICATION:	A multi-use type hose for dispensing gasoline, grease, kerosene, and petroleum oils from farm and barrel type pumps. It is for agricultural, construction and industrial service where UL approval is not required.
CONSTRUCTION	
TUBE:	Nitrile synthetic rubber (ORS)
COVER:	Black or red Chemivic® synthetic rubber (ORS)
REINFORCEMENT:	Spiral synthetic yarn
TEMPERATURE:	-30°F to 140°F (-34°C to 60°C)
PACKAGING:	Reels or coupled lengths, 5 pieces per box
BRANDING:	Continuous brand 3/4" Agricultural Gasoline by Goodyear™.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	595-001 (no static wire) (black) 595-002 (no static wire) (red) 595-026 (with static wire) (black)

ID		NOM. OD		WEIGHT	
<i>in.</i>	<i>mm.</i>	<i>in.</i>	<i>mm.</i>	<i>lb./ft.</i>	<i>kg./m.</i>
3/4	19.1	1.08	27.4	0.27	0.40
1	25.4	1.40	35.6	0.52	0.77



PETROLEUM DISPENSING

AMBASSADOR®



APPLICATION:

A premium hardwall curb pump hose made with a special synthetic "ozone-resistant" cover compound which virtually eliminates weather checking. The wire-braid construction provides excellent kink resistance, low computer creep and long service life. UL 330 and CUL approved.

CONSTRUCTION

TUBE:

Nitrile synthetic rubber (ORS)

COVER:

Black synthetic rubber (ORS)

REINFORCEMENT:

Braided (1) steel wire

TEMPERATURE:

-40°F to 140°F (-40°C to 60°C)

PACKAGING:

Reels or coupled lengths, 10 pieces per box

BRANDING:

Continuous brand "Goodyear" 559N, 5/8" UL. Listed Ambassador Hardwall.

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

532-353

ID		NOM. OD		WEIGHT	
in.	mm.	in.	mm.	lb./ft.	kg./m.
5/8	15.9	1.00	25.4	0.41	0.61
3/4	19.1	1.13	28.7	0.47	0.70

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling

Dispensing

Dock

Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

PETROLEUM DISPENSING

ARCTIC SOFTWALL



APPLICATION:

A premium gas pump hose for use in extremely cold environments. Remains flexible where temperatures of -65°F (-54°C) are encountered. UL 330 and CUL approved.

CONSTRUCTION

TUBE:

Black, low-temp synthetic rubber

COVER:

Black, low-temp synthetic rubber (wrapped finish)

REINFORCEMENT:

Braided synthetic yarn with antistatic wire

TEMPERATURE:

-65°F to 140°F (-54°C to 60°C)

PACKAGING:

3/4" 500' reels +/- 50', minimum 50', maximum 3 pieces
1" 275' reels +/- 25', minimum 50', maximum 3 pieces

BRANDING:

Continuous brand Goodyear™ 559 N, Made in USA. 3/4" (19mm) UL, CUL Listed Arctic Softwall Gasoline Hose.

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

532-395

ID		NOM. OD		WEIGHT	
in.	mm.	in.	mm.	lb./ft.	kg./m.
5/8	15.9	1.00	25.4	0.29	0.43
3/4	19.1	1.13	28.7	0.33	0.49
1	25.4	1.50	38.1	0.57	0.85



PETROLEUM DISPENSING

BC GASOLINE



APPLICATION:	For all types of dispensing pump applications where flexibility and lightweight are desired. BC is available with one or two textile braids. UL 330 and CUL approved.	
CONSTRUCTION		
TUBE:	Nitrile synthetic rubber (ORS)	
COVER:	Black Chemivic® synthetic rubber (ORS)	
REINFORCEMENT:	Braided synthetic yarn with static wire, available in one or two braid	
TEMPERATURE:	-40°F to 140°F (-40°C to 60°C)	
PACKAGING:	5/8" and 3/4" 1"	Reels or coupled lengths, 10 pieces per box Reels or coupled lengths, 5 pieces per box
BRANDING:	Continuous brand 1" (25.4mm) 1bd CUL, UL Listed style BC Gasoline by Goodyear™ 559N. Made in USA.	
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.	
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.	
ORDER CODES:	532-012 (1 braid)	532-013 (2 braid)

BC GASOLINE (1 BRAID)

ID		NOM. OD		WEIGHT	
in.	mm.	in.	mm.	lb./ft.	kg./m.
5/8	15.9	1.00	25.4	0.28	0.42
3/4	19.1	1.13	28.7	0.32	0.48

BC GASOLINE (2 BRAID)

ID		NOM. OD		WEIGHT	
in.	mm.	in.	mm.	lb./ft.	kg./m.
5/8	15.9	1.00	25.4	0.24	0.36
3/4	19.1	1.19	30.2	0.37	0.55
1	25.4	1.50	38.1	0.55	0.82

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional Products
Chemical Charts
General Information
Minimum Run Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

PETROLEUM DISPENSING

BC MARINA



APPLICATION:

For dispensing gasoline to pleasure craft and commercial boats at fresh and salt water marinas. UL 330 and CUL approved.

CONSTRUCTION

TUBE:

Nitrile synthetic rubber (ORS)

COVER:

Green Chemivic® synthetic rubber (ORS) (nonmarking)

REINFORCEMENT:

Braided (2) synthetic yarn with static wire

TEMPERATURE:

-40°F to 140°F (-40°C to 60°C)

PACKAGING:

Reels or coupled lengths

BRANDING:

Continuous brand 1" (25.4mm) 2bd UL Listed Marina Gasoline by Goodyear™ 559N. Made in USA.

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

532-293

ID		NOM. OD		WEIGHT	
in.	mm.	in.	mm.	lb./ft.	kg./m.
3/4	19.1	1.19	30.2	0.38	0.57
1	25.4	1.50	38.1	0.57	0.85



PETROLEUM DISPENSING

REDWING® FUEL OIL



APPLICATION:	Redwing® Fuel Oil is for transfer and delivery of fuel oil and petroleum products for home delivery, commercial and industrial service. Redwing Fuel Oil has two textile braids. The braided construction reduces kinking and twisting when reeling. The smooth cover has low drag resistance.
CONSTRUCTION	
TUBE:	Nitrile synthetic rubber (ORS)
COVER:	Red Chemivic® synthetic rubber (smooth finish) (ORS)
REINFORCEMENT:	Braided (2) synthetic yarn
TEMPERATURE:	-40°F to 140°F (-40°C to 60°C)
PACKAGING:	Reels, cut lengths, and coupled lengths
BRANDING:	Continuous brand 1" (25.4 mm) 2 BD Redwing Fuel Oil by Goodyear™ Made in USA.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	532-016

ID		NOM. OD		MAX. WP		WEIGHT	
<i>in.</i>	<i>mm.</i>	<i>in.</i>	<i>mm.</i>	<i>psi.</i>	<i>Mpa.</i>	<i>lb./ft.</i>	<i>kg./m.</i>
1	25.4	1.50	38.1	250	1.72	0.57	0.85
1 1/4	31.8	1.80	45.7	250	1.72	0.65	0.97
1 3/8	34.9	1.86	47.2	250	1.72	0.70	1.04
1 1/2	38.1	2.09	53.1	250	1.72	0.93	1.39

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



 Air &
 Multipurpose
General Purpose
Heavy Duty
Push-on

 Chemical
 Transfer

 Cleaning
 Equipment

 Food
Transfer
Washdown

 Marine

 Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

 Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

 Spray

 Steam

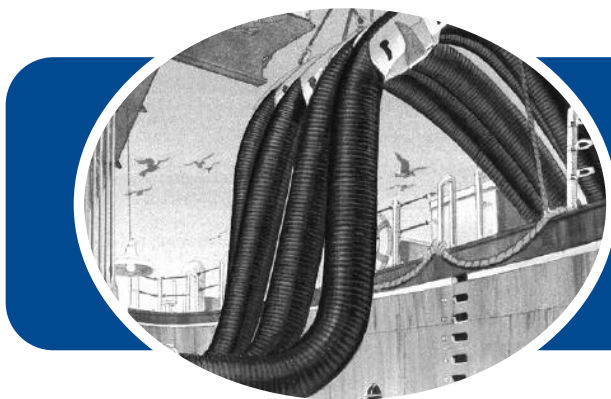
 Vacuum

 Water
Discharge
Suction &
Discharge
Washdown

 Welding

 Coupling
 Systems

 Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



PETROLEUM DOCK

	<i>Page</i>	<i>Nitrile Tube</i>	<i>Flosyn Tube</i>	<i>Max W.P.</i>	<i>Corrugated</i>	<i>Temp Range</i>	<i>Built-in Nipple</i>	<i>Swage Nipple*</i>
Flexdock® 225	148	Yes	Yes	225	Yes	-25°F to 200°F	Yes	Yes
Flexdock® 300	149	Yes	Yes	300	Yes	-25°F to 200°F	Yes	Yes
Hot Tar & Asphalt Rough Bore	155	Yes		200		-25°F to 350°F	Yes	
Hot Tar & Asphalt Smooth Bore	155	Yes		200		-25°F to 350°F	Yes	
Smooth Bore Dock 200	150	Yes	Yes	200		-25°F to 200°F	Yes	Yes
Smooth Bore Dock 300	151	Yes	Yes	300		-25°F to 200°F	Yes	Yes
Tanker Barge Discharge	152	Yes	Yes	200		-25°F to 220°F	Yes	Yes
Thor™ Submarine	154	Yes		250		-25°F to 180°F	Yes	
Vapor Recovery Dock	153	Yes	Yes	25	Yes	-25°F to 200°F	Yes	Yes

* Up to 10" ID



PETROLEUM DOCK

FLEXDOCK® 225



APPLICATION:	Built with a corrugated cover to provide flexibility in petroleum transfer service. A variety of tube compounds are available to tailor the chemical and hydrocarbon resistance of the hose to the type of material handled.
CONSTRUCTION	
TUBE:	Nitrile synthetic rubber for up to 50% aromatics. Also available with a Flosyn® tube for up to 100% aromatics.
COVER:	Black Wingprene® synthetic cover, corrugated, wrapped finish
REINFORCEMENT:	Spiral-plied heavy-duty synthetic fabric with double wire helix
TEMPERATURE:	-25°F to 200°F (-32°C to 93°C)
PACKAGING:	Chloroplast heavy duty packaging
BRANDING:	Continuous spiral brand example Goodyear™ Flexdock 225 psi WP Nitrile Oil Service.
COUPLINGS:	Coupled with standard built-in steel nipple/150#RFSO flanges. Available in other bolt hole patterns, materials and floating flanges on request. Swage nipples are offered up to 10". Hose assembly is electrically continuous unless otherwise specified by customer.
NON-STOCK/SIZES:	Custom lengths available, contact customer service.
ORDER CODES:	541-532 (Nitrile tube) 541-534 (Flosyn tube)

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
3	76.2	3.89	98.8	225	1.55	11	279	29	737	3.28	4.88
4	101.6	5.29	134.4	225	1.55	15	381	29	737	6.30	9.38
6	152.4	7.34	186.4	225	1.55	22	559	29	737	9.50	14.14
8	203.2	9.43	239.5	225	1.55	30	762	29	737	13.81	20.55
10	254.0	11.63	295.4	225	1.55	40	1016	29	737	20.49	30.49
12	304.8	13.72	348.5	225	1.55	60	1524	29	737	25.13	37.40

Note: Factory coupled hose manufactured according to the code of Federal Regulations standard 33 CFR 154.500 and 33 CFR 156.170.

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional Products
Chemical Charts
General Information
Minimum Run Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

PETROLEUM DOCK

FLEXDOCK® 300



APPLICATION:

Built with a corrugated cover to provide flexibility in petroleum transfer service. A variety of tube compounds are available to tailor the chemical and hydrocarbon resistance of the hose to the type of material handled.

CONSTRUCTION

TUBE:

Nitrile synthetic rubber for up to 50% aromatics. Also available with a Flosyn® tube for up to 100% aromatics.

COVER:

Black Wingprene® synthetic cover, corrugated, wrapped finish

REINFORCEMENT:

Heavy-duty synthetic fabric plies with double wire helix.

TEMPERATURE:

-25°F to 200°F (-32°C to 93°C)

PACKAGING:

Chloroplast heavy-duty packaging

BRANDING:

Continuous spiral brand example Goodyear™ Flexdock 300 psi WP Nitrile Oil Service.

COUPLINGS:

Coupled with standard built-in steel nipple/150#RFSO flanges. Available in other bolt hole patterns, materials and floating flanges on request. Swage nipples are offered up to 10". Hose assembly is electrically continuous unless otherwise specified by customer.

NON-STOCK/SIZES:

Custom lengths available, contact customer service.

ORDER CODES:

541-533 (Nitrile Tube)

541-535 (Flosyn tube)

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
3	76.2	4.06	103.7	300	2.07	14	356	29	737	3.76	5.60
4	101.6	5.29	134.4	300	2.07	19	483	29	737	6.30	9.38
6	152.4	7.35	186.7	300	2.07	28	711	29	737	9.64	14.35
8	203.2	9.63	244.6	300	2.07	38	965	29	737	15.56	23.16
10	254.0	11.51	292.4	300	2.07	48	1219	29	737	19.73	29.36
12	305.5	13.94	353.9	300	2.07	58	1473	29	737	28.89	42.98

Note: Factory coupled hose manufactured according to the code of Federal Regulations standard 33 CFR 154.500 and 33 CFR 156.170.



PETROLEUM DOCK

SMOOTH BORE DOCK 200



APPLICATION:	For the transfer of petroleum based products between docks and ships under all types of service conditions. It is available in a number of tube compounds to tailor the fluid handling capabilities to a wide variety of petroleum and chemical compositions.
CONSTRUCTION	
TUBE:	Nitrile synthetic rubber for up to 50% aromatics. Also available with a Flosyn® tube for up to 100% aromatics.
COVER:	Black Chemivic® (smooth cover, wrap finish)
REINFORCEMENT:	Spiral plied synthetic fabric with wire helix
TEMPERATURE:	-25°F to 200°F (-32°C to 93°C)
PACKAGING:	Chloroplast heavy-duty packaging
BRANDING:	Continuous spiral brand example Goodyear™ SB Dock oil service, 200 psi WP Nitrile.
COUPLINGS:	Coupled with standard built-in steel nipple/150#RFSO flanges. Available in other bolt hole patterns, materials and floating flanges on request. Swage nipples are offered up to 10". Hose assembly is electrically continuous unless otherwise specified by customer.
NON-STOCK/SIZES:	Custom lengths available, contact customer service.
ORDER CODES:	541-004 (Nitrile Tube) 541-586 (Flosyn Tube)

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
3	76.2	4.25	108.0	200	1.38	18	457	29	737	4.50	6.70
4	101.6	5.29	134.4	200	1.38	24	610	29	737	6.15	9.15
6	152.4	7.45	189.2	200	1.38	36	914	29	737	11.27	16.77
8	203.2	9.62	244.4	200	1.38	48	1219	29	737	16.44	24.46
10	254.0	11.62	295.2	200	1.38	60	1524	29	737	21.21	31.56
12	304.8	13.94	354.1	200	1.38	72	1829	29	737	30.63	45.58

Note: Factory coupled hose manufactured according to the code of Federal Regulations standard 33 CFR 154.500 and 33 CFR 156.170.

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

PETROLEUM DOCK

SMOOTH BORE DOCK 300



APPLICATION:

For the transfer of petroleum based products between docks and ships under all types of service conditions. It is available in a number of tube compounds to tailor the fluid handling capabilities to a wide variety of petroleum and chemical compositions.

CONSTRUCTION

TUBE:

Nitrile synthetic rubber for up to 50% aromatics. Also available with a Flosyn® tube for up to 100% aromatics.

COVER:

Black Wingprene® synthetic rubber

REINFORCEMENT:

Spiral wire helix between plies of synthetic fabric

TEMPERATURE:

-25°F to 200°F (-32°C to 93°C)

PACKAGING:

Chloroplast heavy-duty packaging

BRANDING:

Continuous spiral brand example Goodyear™ SB Dock oil service, 300 psi WP Nitrile.

COUPLINGS:

Coupled with standard built-in steel nipple/150#RFSO flanges. Available in other bolt hole patterns, materials and floating flanges on request. Swage nipples are offered up to 10". Hose assembly is electrically continuous unless otherwise specified by customer.

NON-STOCK/SIZES:

Custom lengths available, contact customer service.

ORDER CODES:

541-580 (Nitrile Tube)

541-584 (Flosyn Tube)

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
3	76.2	4.25	108.0	300	2.07	21	533	29	737	4.48	6.67
4	101.6	5.29	134.4	300	2.07	27	686	29	737	6.15	9.15
6	152.4	7.51	190.8	300	2.07	39	991	29	737	11.72	17.44
8	203.2	9.78	248.4	300	2.07	51	1295	29	737	17.93	26.68
10	254.0	11.77	299.0	300	2.07	63	1600	29	737	22.99	34.21
12	304.8	14.15	359.4	300	2.07	75	1905	29	737	33.29	49.54

Note: Factory coupled hose manufactured according to the code of Federal Regulations standard 33 CFR 154.500 and 33 CFR 156.170.



PETROLEUM DOCK TANKER BARGE DISCHARGE



APPLICATION:	For discharge applications such as the transfer of petroleum-based products between docks and barges.
CONSTRUCTION	
TUBE:	Nitrile synthetic rubber for up to 50% aromatics. Also available with a Flosyn® tube for up to 100% aromatics.
COVER:	Black Wingprene® synthetic rubber
REINFORCEMENT:	Spiral plied synthetic fabric with grounding wires
TEMPERATURE:	-25°F to 220°F (-32°C to 104°C)
PACKAGING:	Chloroplast heavy-duty packaging
BRANDING:	Continuous spiral brand example Goodyear™ Tanker Barge Discharge, 200 psi WP Nitrile.
COUPLINGS:	Coupled with standard built-in steel nipple/150#RFSO flanges. Available in other bolt hole patterns, materials and floating flanges on request. Swage nipples are offered up to 10". Hose assembly is electrically continuous unless otherwise specified by customer.
NON-STOCK/SIZES:	Custom lengths available, contact customer service.
ORDER CODES:	541-426 (Nitrile tube) 541-427 (Flosyn tube)

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
4	101.6	5.09	129.3	200	1.38	4.30	6.40
6	152.4	7.08	179.8	200	1.38	6.18	9.20
8	203.2	9.08	230.6	200	1.38	8.06	11.99
10	254.0	11.06	280.9	200	1.38	9.93	14.78
12	304.8	13.28	337.3	200	1.38	13.91	20.70

Note: Factory coupled hose manufactured according to the code of Federal Regulations standard 33 CFR 154.500 and 33 CFR 156.170.

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water

Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

PETROLEUM DOCK

VAPOR RECOVERY DOCK



APPLICATION:

For use in the recovery of petroleum vapors during the transfer of petroleum-based products between docks and tankers or barges.

CONSTRUCTION

TUBE:

Nitrile synthetic rubber for up to 50% aromatics. Also available with a Flosyn® tube for up to 100% aromatics.

COVER:

Black Chemivic® synthetic rubber (corrugated)

REINFORCEMENT:

Synthetic fabric plies plus two (2) wire helix

TEMPERATURE:

-25°F to 200°F (-32°C to 93°C)

PACKAGING:

Chloroplast heavy-duty packaging

BRANDING:

Continuous spiral brand Goodyear™ Vapor Recovery 25 psi MWP.

COUPLINGS:

Built-in nipples (or swaged fittings up to 10" ID) fitted with 150# flange with extra 5/8" diameter hole located midway between flange bolt hole as per Coast Guard requirements.

NON-STOCK/SIZES:

Custom lengths available, contact customer service.

ORDER CODES:

541-090 (Nitrile Tube)

541-643 (Flosyn Tube)

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
6	152.4	6.86	174.2	25	0.17	22	559	29	737	5.70	8.48
8	203.2	8.89	225.8	25	0.17	30	762	29	737	8.26	12.29
10	254.0	10.97	278.6	25	0.17	40	1016	29	737	12.63	18.80
12	304.8	13.00	330.2	25	0.17	60	1524	29	737	15.07	22.43

Note: Factory coupled hose manufactured according to the code of Federal Regulations standard 33 CFR 154.810 and 33 CFR 156.170.



PETROLEUM DOCK

THOR™ SUBMARINE



APPLICATION:	For the transfer of petroleum products between docks and tankers when the hose is partially or completely submerged. It is rated at 250 psi (1.73 Mpa) maximum working pressure.
CONSTRUCTION	
TUBE:	Nitrile synthetic rubber
COVER:	1/4" Black Plioflex® synthetic rubber
REINFORCEMENT:	Spiral wire helix between plies of synthetic fabric
TEMPERATURE:	-25°F to 180°F (-32°C to 82°C)
PACKAGING:	Heavy-duty plastic packaging
BRANDING:	Impression brand example Goodyear™ SB Submarine oil service, Nitrile 250 psi WP.
COUPLINGS:	Coupled with galvanized built-in steel nipple/150#RFSO flanges. Available in other bolt hole patterns, materials and floating flanges on request. Swage nipples are offered up to 10". Hose assembly is electrically continuous unless otherwise specified by customer.
NON-STOCK/SIZES:	Custom lengths available, contact customer service.
ORDER CODES:	541-577

ID		NOM. OD		MAX. WP		BEND RADIUS		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	in.	mm.	lb./ft.	kg./m.
6	152.4	7.81	198.4	250	1.72	36	914	14.30	21.28
8	203.2	9.89	251.2	250	1.72	48	1219	20.05	29.84
10	254.0	12.07	306.6	250	1.72	60	1524	27.23	40.52
12	304.8	14.10	358.1	250	1.72	72	1829	31.93	47.52

Note: Factory coupled hose manufactured according to the code of Federal Regulations standard 33 CFR 154.500 and 33 CFR 156.170.

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
 Multipurpose
 General Purpose
 Heavy Duty
 Push-on

Chemical
 Transfer

Cleaning
 Equipment

Food
 Transfer
 Washdown

Marine

Material Handling

Abrasives
 Bulk Transfer
 Cement & Concrete

Mining

Petroleum

Aircraft Fueling
 Dispensing
Dock
 Transfer

Spray

Steam

Vacuum

Water
 Discharge
 Suction &
 Discharge
 Washdown

Welding

Coupling
 Systems

Appendix
 Additional
 Products
 Chemical Charts
 General
 Information
 Minimum Run
 Requirements

PETROLEUM DOCK

HOT TAR & ASPHALT



APPLICATION: Designed for petroleum-based products up to 350°F between docks and tankers or barges under heavy-duty conditions.

CONSTRUCTION
TUBE: Nitrile synthetic rubber, flat steel wire helix supporting the tube

COVER: Wingprene® synthetic rubber

REINFORCEMENT: Spiral-plied synthetic fabric with wire helix

TEMPERATURE: -25°F to 350°F (-32°C to 177°C)

PACKAGING: Custom lengths available, contact customer service.

BRANDING: Continuous brand example Goodyear™ RB Dock hot asphalt, 350°F, 200 psi max.

COUPLINGS: Coupled with galvanized built-in steel nipple/150#RFSO flanges. Available in other bolt hole patterns, materials and floating flanges on request. Smooth bore assembly is electrically continuous unless otherwise specified by customer. Rough bore assembly is offered as electrically continuous only.

NON-STOCK/SIZES: Custom lengths available, contact customer service.

SMOOTH BORE

ORDER CODES: 541-606

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
4	101.6	5.28	134.1	200	1.38	36	914	29	737	6.48	9.64
6	152.4	7.72	196.1	200	1.38	48	1219	29	737	13.83	20.58
8	203.2	9.80	248.9	200	1.38	60	1524	29	737	19.11	28.44
10	254.0	11.80	299.7	200	1.38	80	2032	29	737	23.20	34.52

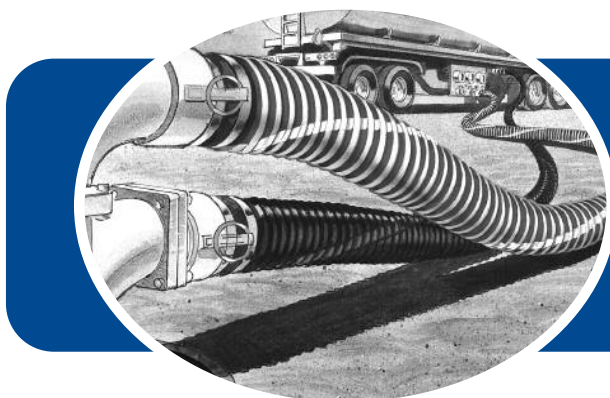
Note: Factory coupled hose manufactured according to the code of Federal Regulations standard 33 CFR 154.500 and 33 CFR 156.170.

ROUGH BORE

ORDER CODES: 541-582

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
6	152.4	8.19	208.0	200	1.38	36	914	29	737	16.19	24.09
8	203.2	10.25	260.4	200	1.38	48	1219	29	737	22.39	33.32
10	254.0	12.31	312.7	200	1.38	60	1524	29	737	29.09	43.29





PETROLEUM TRANSFER

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

	Page	Temp Range	Refined Fuels	Corrugated Cover	Lightweight
Flextra® Oilfield	163	-25°F to 180°F		Yes	
Flexwing® Oilfield	162	-25°F to 180°F			
Flexwing VersaFuel™	156a	-30°F to 180°F	Yes		
Paladin	158	-40°F to 160°F	Yes	Yes	Yes
Plicord® Arctic Flextra™	165	-65°F to 180°F	Yes	Yes	
Plicord® Arctic Flexwing™	164	-65°F to 180°F	Yes		
Plicord® Flexwing™ Petroleum	157	-35°F to 200°F	Yes		
Plicord® Fuel Discharge	167	-35°F to 180°F	Yes		
Plicord® LW Black Flextra™ II	161	-40°F to 200°F	Yes	Yes	Yes
Plicord® Super Black Flexwing™	160	-35°F to 200°F	Yes		
Plicord® Waste Mate™	166	-25°F to 180°F			
Pyroflex® Hot Tar & Asphalt	169	-25°F to 350°F			
Pyroflex® Hot Tar Wand	170	-25°F to 350°F			
Red Flextra® 100	159	-30°F to 180°F	Yes	Yes	Yes
Red Flextra® 150	159	-30°F to 180°F	Yes	Yes	Yes
Redwing Fuel Oil	146	-40°F to 180°F			
Spiraflex® Polyurethane Vapor Recovery	168	-30°F to 150°F		Yes	Yes

See Page 2 for complete product warranty and terms of sale information. In V-Cat, please reference the Conditions of Sale page in the General Information section. Information in this catalog supersedes all previously printed material. Information valid as of the day published. Due to continual product improvements, Goodyear reserves the right to alter specs without prior notice. For the most current product information, visit us online at www.goodyear-hose.com.

Air &
 Multipurpose
 General Purpose
 Heavy Duty
 Push-on

PETROLEUM TRANSFER

FLEXWING VERSAFUEL™


APPLICATION:

For use in tank truck and in-plant operation to transfer diesel, biodiesel blends, B-100, ethanol blends, gasoline, oil and petroleum base products up to 60% aromatic content.

CONSTRUCTION
TUBE:

Synthetic rubber (static dissipating).

COVER:

Black synthetic rubber with excellent resistance to biodiesel, ethanol, oil/petroleum products and abrasion.

REINFORCEMENT:

Spiral plied synthetic fabric with helix wire.

TEMPERATURE:

-30°F to 180°F (-34°C to 82°C)

PACKAGING:

100' lengths, coiled and polywrapped.

BRANDING:

Continuous spiral brand Goodyear Flexwing VersaFuel™ 150 PSI WP.

COUPLINGS:

Use Goodyear's Insta-Lock™ Cam and Groove fittings with this product.

NON-STOCK/SIZES:

400' minimum order

ORDER CODES:

543-422

NOM ID		NOM OD		MAX WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	in.	mm.	in.	mm.	lb./ft.	kg./m
1	25.4	1.50	38.1	150	1.03	2	50	29	700	0.59	0.88
1-1/4	32.0	1.77	44.8	150	1.03	3	75	29	700	0.74	1.10
1-1/2	38.0	2.03	51.7	150	1.03	4	100	29	700	0.92	1.37
2	51.2	2.55	64.9	150	1.03	5	125	29	700	1.21	1.80
2-1/2	63.7	3.07	77.9	150	1.03	6	150	29	700	1.56	2.32
3	76.1	3.58	91.0	150	1.03	7	175	29	700	1.94	2.89
4	102.1	4.60	117.0	150	1.03	10	250	29	700	2.53	3.77

See Page 2 for complete product warranty and terms of sale information. In V-Cat, please reference the Conditions of Sale page in the General Information section. Information in this catalog supersedes all previously printed material. Information valid as of the day published. Due to continual product improvements, Goodyear reserves the right to alter specs without prior notice. For the most current product information, visit us online at www.goodyear-hose.com.

Petroleum
 Aircraft Fueling
 Dispensing
 Dock
 Transfer

Spray

Steam

Vacuum

 Water
 Discharge
 Suction &
 Discharge
 Washdown

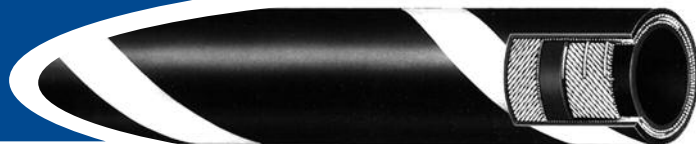
Welding

 Coupling
 Systems

 Appendix
 Additional
 Products
 Chemical Charts
 General
 Information
 Minimum Run
 Requirements

PETROLEUM TRANSFER

PLICORD® FLEXWING® PETROLEUM



APPLICATION:	For use in tank truck and in-plant operations to transfer gasoline, oil, ethanol blends and other petroleum base products up to 50% aromatic content. It is designed for pressure, gravity flow, or full-suction service.
CONSTRUCTION	
TUBE:	Nitrile synthetic rubber RMA Class A (High Oil Resistance)
COVER:	Black (red spiral stripe) or Red Chemivic (white spiral stripe) synthetic rubber (oil resistant); smooth cover; wrapped finish
REINFORCEMENT:	Spiral-plied synthetic fabric with wire helix
TEMPERATURE:	-35°F to 200°F (-37°C to 93°C)
PACKAGING:	100' lengths, coiled and polywrapped
BRANDING:	Continuous spiral brand example Goodyear™ Flexwing Petroleum 150 psi WP.
COUPLINGS:	Use Goodyear's Insta-Lock Cam & Groove Fittings with this product. See page 221 for available Insta-Lock products.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	543-109 (black) 543-110 (red)

NOM. ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
3/4	19.1	1.22	31.0	150	1.03	2	51	29	737	0.47	0.70
1	25.4	1.50	38.1	150	1.03	2	51	29	737	0.63	0.94
1 1/4	31.8	1.76	44.7	150	1.03	3	76	29	737	0.79	1.18
1 1/2	38.1	2.03	51.6	150	1.03	4	102	29	737	0.99	1.47
1 3/4	44.5	2.28	57.9	150	1.03	4	102	29	737	1.07	1.59
2	50.8	2.55	64.8	150	1.03	5	114	29	737	1.30	1.93
2 1/2	63.5	3.07	78.0	150	1.03	6	146	29	737	1.66	2.47
3	76.2	3.57	90.7	150	1.03	7	178	29	737	2.03	3.02
3 1/2	88.9	4.13	104.9	150	1.03	8	203	29	737	2.39	3.56
4	101.6	4.60	116.8	150	1.03	10	254	29	737	2.68	3.99
6	152.7	6.78	171.9	150	1.03	30	762	29	737	5.61	8.36

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

See Page 2 for complete product warranty and terms of sale information. In V-Cat, please reference the Conditions of Sale page in the General Information section. Information in this catalog supersedes all previously printed material. Information valid as of the day published. Due to continual product improvements, Goodyear reserves the right to alter specs without prior notice. For the most current product information, visit us online at www.goodyear-hose.com.

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

PETROLEUM TRANSFER

PALADIN™



Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

APPLICATION:

Designed as a lightweight and flexible hose to transfer biodiesel and ethanol blends, gasoline and other petroleum products under pressure, gravity flow or medium suction (up to 23" Hg) at ambient temperature. Maximum aromatic content 60%. Outer PVC helix provides abrasion resistance and low coefficient of friction. With Antistatic wire (low resistance).

CONSTRUCTION

TUBE:

Black Nitrile synthetic rubber (static dissipating)

COVER:

Black Chemivic® synthetic rubber with Orange Pliovic® outer helix

REINFORCEMENT:

Synthetic fabric plies

TEMPERATURE:

-40°F to 160°F (-40°C to 71°C)

PACKAGING:

100' lengths, coiled and bagel pack

BRANDING:

Example: Goodyear Paladin Drop Hose (Date Code) Made in Canada.

COUPLINGS:

Use Goodyear's Insta-Lock Cam & Groove Fittings with this product. See page 220 for available Insta-Lock products.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

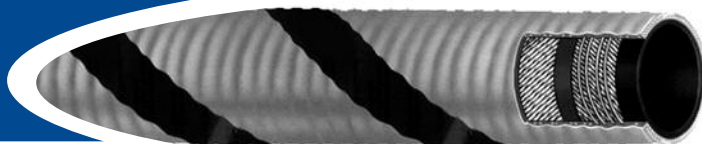
543-227

NOM. ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
2	50.8	2.87	72.9	150	1.03	2	51	23	584	1.04	1.55
3	76.2	3.92	99.6	150	1.03	3	76	23	584	1.58	2.35
4	101.6	4.85	123.2	75	0.52	5	127	23	584	1.94	2.89

See Page 2 for complete product warranty and terms of sale information. In V-Cat, please reference the Conditions of Sale page in the General Information section. Information in this catalog supersedes all previously printed material. Information valid as of the day published. Due to continual product improvements, Goodyear reserves the right to alter specs without prior notice. For the most current product information, visit us online at www.goodyear-hose.com.

PETROLEUM TRANSFER

RED FLEXTRA®



APPLICATION:	For the transfer of ethanol blends, gasoline and other petroleum-based products under pressure, gravity flow or full-suction where maximum flexibility is needed.
CONSTRUCTION	
TUBE:	Nitrile synthetic rubber RMA Class A (High Oil Resistance)
COVER:	Red Wingprene, corrugated synthetic rubber RMA Class A (High Oil Resistance) with white spiral stripe.
REINFORCEMENT:	Spiral plied synthetic fabric with double wire helix
TEMPERATURE:	-30°F to 180°F (-34°C to 82°C)
PACKAGING:	100' lengths, coiled and polywrapped
BRANDING:	Continuous spiral brand example Goodyear™ Made in Canada.
COUPLINGS:	Use Goodyear's Insta-Lock Cam & Groove Fittings with this product. See page 221 for available Insta-Lock products.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	543-123

RED FLEXTRA® 100

ORDER CODES: 543-123

NOM. ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
2	50.8	2.38	60.3	100	0.69	4	102	29	737	0.83	1.09
2½	63.5	2.88	73.2	100	0.69	5	127	29	737	1.09	1.62
3	76.2	3.41	86.6	100	0.69	6	152	29	737	1.41	2.10
4	101.6	4.53	115.1	100	0.69	9	229	29	737	2.23	3.32

RED FLEXTRA® 150

ORDER CODES: 543-120

NOM. ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
2	50.8	2.52	64.0	150	1.03	4	102	29	737	1.18	1.76
3	76.2	3.59	91.2	150	1.03	6	152	29	737	1.99	2.96
4	101.6	4.61	117.1	150	1.03	9	229	29	737	2.66	3.96

See Page 2 for complete product warranty and terms of sale information. In V-Cat, please reference the Conditions of Sale page in the General Information section. Information in this catalog supersedes all previously printed material. Information valid as of the day published. Due to continual product improvements, Goodyear reserves the right to alter specs without prior notice. For the most current product information, visit us online at www.goodyear-hose.com.

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

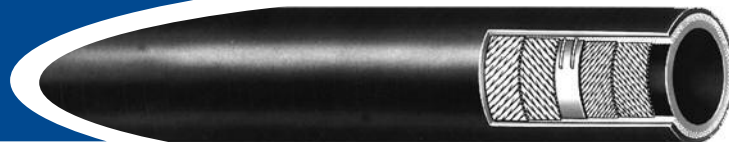
Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

Air &
 Multipurpose
 General Purpose
 Heavy Duty
 Push-on

PETROLEUM TRANSFER

PLICORD® SUPER BLACK FLEXWING®



APPLICATION: A premium high pressure petroleum transfer hose for handling ethanol blends, gasoline, oils and other petroleum products at higher working pressures.

CONSTRUCTION

TUBE: Special fuel-resistant Black nitrile synthetic rubber RMA Class A (High Oil Resistance)

COVER: Black Neoprene synthetic rubber RMA Class A (High Oil Resistance), wrapped finish

REINFORCEMENT: Spiral plied synthetic fabric with wire helix

TEMPERATURE: -35°F to 200°F (-37°C to 93°C)

PACKAGING: 100' lengths, coiled and polywrapped

BRANDING: Continuous spiral brand example Goodyear™ Flexwing Petroleum Hose.

COUPLINGS: Use Goodyear's Insta-Lock Cam & Groove Fittings with this product. See page 221 for available Insta-Lock products.

NON-STOCK/SIZES: Refer to page 300 for special production run minimum requirements.

ORDER CODES: 543-117 541-117 (6" diameter, 100' length)

NOM. ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
1	25.4	1.53	38.8	250	1.72	3	75	29	737	.70	1.04
1 1/4	31.8	1.87	47.1	250	1.72	4	100	29	737	.99	1.48
1 1/2	38.1	2.08	52.8	250	1.72	4	100	29	737	1.15	1.71
2	50.8	2.59	65.8	250	1.72	5	125	29	737	1.44	2.14
2 1/2	63.5	3.11	79.0	250	1.72	6	150	29	737	1.84	2.74
3	76.2	3.65	92.7	250	1.72	7	175	29	737	2.39	3.56
4	101.6	4.83	122.7	250	1.72	10	254	29	737	3.76	5.60
5	127.0	5.87	149.0	250	1.72	20	500	29	737	5.10	7.60
6	152.4	7.21	183.3	250	1.72	24	600	29	737	8.46	12.60

See Page 2 for complete product warranty and terms of sale information. In V-Cat, please reference the Conditions of Sale page in the General Information section. Information in this catalog supersedes all previously printed material. Information valid as of the day published. Due to continual product improvements, Goodyear reserves the right to alter specs without prior notice. For the most current product information, visit us online at www.goodyear-hose.com.

PETROLEUM TRANSFER

PLICORD® LW BLACK FLEXTRA II™



APPLICATION:	Used by tank trucks, bulk petroleum stations, and others to transfer ethanol blends and petroleum products under pressure, suction and/or gravity flow. Extremely flexible and lightweight to provide excellent service. Not recommended where aromatic content exceeds 50%.
CONSTRUCTION	
TUBE:	Black Nitrile RMA Class A (High Oil Resistance)
COVER:	Black Chemivic® (corrugated)
REINFORCEMENT:	Spiral-plied synthetic fabric with double wire helix
TEMPERATURE:	-40°F to 180°F (-40°C to 82°C)
PACKAGING:	100' lengths, coiled and polywrapped
BRANDING:	Spiral brand example Goodyear LW Black Flextra II 75 psi Max WP.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	543-562

NOM. ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
2	50.8	2.42	61.5	75	0.52	3	76	29	737	0.94	1.40
2½	63.5	2.92	74.2	75	0.52	4	102	29	737	1.22	1.82
3	76.2	3.40	86.4	75	0.52	4	102	29	737	1.39	2.07
4	101.6	4.53	115.1	75	0.52	7	178	29	737	2.37	3.53

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

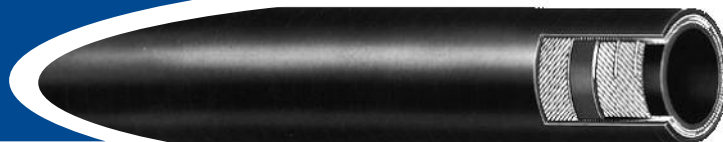
Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

See Page 2 for complete product warranty and terms of sale information. In V-Cat, please reference the Conditions of Sale page in the General Information section. Information in this catalog supersedes all previously printed material. Information valid as of the day published. Due to continual product improvements, Goodyear reserves the right to alter specs without prior notice. For the most current product information, visit us online at www.goodyear-hose.com.

Air &
 Multipurpose
 General Purpose
 Heavy Duty
 Push-on

PETROLEUM TRANSFER

FLEXWING® OILFIELD


APPLICATION:

For use in transfer hose service, cleaning sediment from oil storage tanks and other general service applications. The tube is an oil-resistant synthetic rubber. DO NOT use with gasoline and other refined products when aromatic content exceeds 35%.

CONSTRUCTION
TUBE:

Synthetic rubber

COVER:

Black Plioflex® synthetic rubber (smooth cover)

REINFORCEMENT:

Spiral-plied synthetic fabric with wire helix

TEMPERATURE:

-25°F to 180°F (-32°C to 82°C)

PACKAGING:

100' lengths, coiled and polywrapped

BRANDING:

Continuous spiral brand example Goodyear™ Flexwing Oilfield.

COUPLINGS:

Use Goodyear's Insta-Lock Cam & Groove Fittings with this product. See page 221 for available Insta-Lock products.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

543-655

Petroleum

Aircraft Fueling
 Dispensing
 Dock
 Transfer

Spray

Steam

Vacuum

Water
 Discharge
 Suction &
 Discharge
 Washdown

Welding

Coupling
 Systems

Appendix
 Additional
 Products
 Chemical Charts
 General
 Information
 Minimum Run
 Requirements

NOM. ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
1 1/2	38.1	1.97	50.0	150	1.03	4.00	102	29	737	0.86	1.28
2	50.8	2.48	63.0	150	1.03	4.50	114	29	737	1.12	1.67
2 1/2	63.5	3.00	76.2	150	1.03	5.75	146	29	737	1.40	2.08
3	76.2	3.53	89.7	150	1.03	7.00	178	29	737	1.85	2.75
4	101.6	4.59	116.6	150	1.03	10.00	254	29	737	2.66	3.96

See Page 2 for complete product warranty and terms of sale information. In V-Cat, please reference the Conditions of Sale page in the General Information section. Information in this catalog supersedes all previously printed material. Information valid as of the day published. Due to continual product improvements, Goodyear reserves the right to alter specs without prior notice. For the most current product information, visit us online at www.goodyear-hose.com.

PETROLEUM TRANSFER

FLEXTRA® OILFIELD



APPLICATION:	Goodyear's Flextra® Oilfield transfer hose is designed for use in tank truck or in-plant applications for the transfer of DILUTED industrial chemicals and petroleum waste, sludge and sediments. It is not recommended for refined petroleum products or concentrated industrial chemicals. DO NOT use with gasoline and other refined products when aromatic content exceeds 35%.
CONSTRUCTION	
TUBE:	Synthetic rubber
COVER:	Black Plioflex® synthetic rubber (corrugated cover)
REINFORCEMENT:	Spiral-plied synthetic fabric with double wire helix
TEMPERATURE:	100' lengths, coiled and polywrapped
PACKAGING:	-25°F to 180°F (-32°C to 82°C)
BRANDING:	Continuous spiral brand example Goodyear™ Flextra Oilfield.
COUPLINGS:	Use Goodyear's Insta-Lock Cam & Groove Fittings with this product. See page 221 for available Insta-Lock products.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	543-691

NOM. ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
1 1/4	25.4	1.63	41.4	150	1.03	3	75	29	737	0.57	0.85
1 1/2	38.1	1.92	48.8	150	1.03	4	100	29	737	0.74	1.10
2	50.8	2.44	62.0	125	0.86	4	102	29	737	0.94	1.4
3	76.2	3.52	89.4	125	0.86	6	152	29	737	1.71	2.54
4	101.6	4.52	114.8	100	0.69	8	203	29	737	2.17	3.23

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

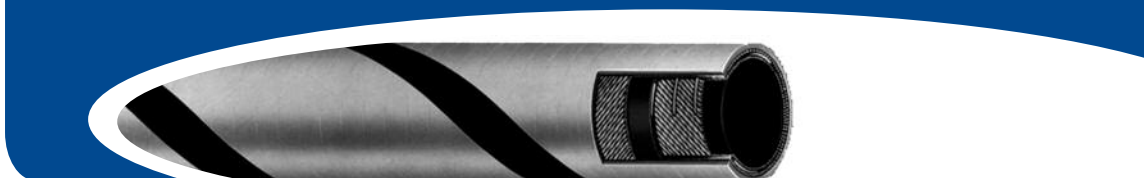
Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

See Page 2 for complete product warranty and terms of sale information. In V-Cat, please reference the Conditions of Sale page in the General Information section. Information in this catalog supersedes all previously printed material. Information valid as of the day published. Due to continual product improvements, Goodyear reserves the right to alter specs without prior notice. For the most current product information, visit us online at www.goodyear-hose.com.

Air &
 Multipurpose
 General Purpose
 Heavy Duty
 Push-on

PETROLEUM TRANSFER

PLICORD® ARCTIC FLEXWING®



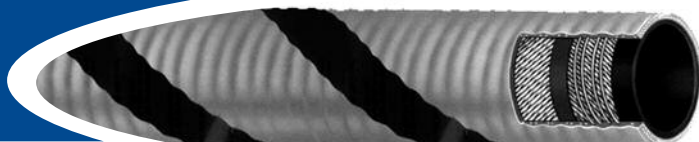
APPLICATION:	Plicord Arctic Flexwing is for use in low-temperature operations for transferring gasoline, oil and other petroleum products.
CONSTRUCTION	
TUBE:	Ultra-low temperature oil resistant synthetic rubber RMA Class A (High Oil Resistance)
COVER:	Blue ultra-low temperature synthetic rubber RMA Class A (High Oil Resistance) with red spiral stripe. Smooth cover, wrapped finish
REINFORCEMENT:	Spiral-plied synthetic fabric with wire helix
TEMPERATURE:	-65°F to 180°F (-54°C to 82°C)
PACKAGING:	100' lengths, coiled and polywrapped
BRANDING:	Continuous spiral brand example Goodyear™ Arctic Flexwing 150 psi WP.
COUPLINGS:	Use Goodyear's Insta-Lock Cam & Groove Fittings with this product. See page 221 for available Insta-Lock products.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	543-650

NOM. ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
1 ^{1/4}	31.8	1.73	43.9	150	1.03	3	80	29	737	0.66	0.98
1 ^{1/2}	38.1	1.98	50.3	150	1.03	4	102	29	737	0.82	1.22
2	50.8	2.50	63.5	150	1.03	5	127	29	737	1.07	1.59
2 ^{1/2}	63.5	3.09	78.5	150	1.03	6	152	29	737	1.64	2.44
3	76.2	3.58	90.9	150	1.03	7	178	29	737	1.92	2.86
4	101.6	4.70	119.4	150	1.03	10	254	29	737	2.88	4.29

See Page 2 for complete product warranty and terms of sale information. In V-Cat, please reference the Conditions of Sale page in the General Information section. Information in this catalog supersedes all previously printed material. Information valid as of the day published. Due to continual product improvements, Goodyear reserves the right to alter specs without prior notice. For the most current product information, visit us online at www.goodyear-hose.com.

PETROLEUM TRANSFER

LW ARCTIC TANK TRUCK



APPLICATION:	For transfer of petroleum-based products under suction, low-pressure discharge or gravity flow. Flexibility maintained down to -65°F (-54°C).
CONSTRUCTION	
TUBE:	Black Nitrile RMA Class A (High Oil Resistance)
COVER:	Blue Wingprene® (corrugated)
REINFORCEMENT:	Spiral-plied synthetic fabric with double wire helix
TEMPERATURE:	-65°F to 180°F (-54°C to 82°C)
PACKAGING:	100' lengths, coiled and polywrapped
BRANDING:	Spiral brand example Goodyear LW Arctic Tank Truck 150 psi/10 Bar.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	543-365

NOM. ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
1 ^{1/2}	38.1	1.95	49.5	250	1.72	4	100	29	737	0.81	1.21
2	50.8	2.53	64.3	200	1.38	4	100	29	737	1.11	1.64
2 ^{1/2}	63.5	3.02	76.7	150	1.03	5	125	29	737	1.42	2.11
3	76.2	3.55	90.2	150	1.03	6	150	29	737	1.83	2.72
4	101.6	4.61	117.1	150	1.03	9	225	29	737	2.62	3.90

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

See Page 2 for complete product warranty and terms of sale information. In V-Cat, please reference the Conditions of Sale page in the General Information section. Information in this catalog supersedes all previously printed material. Information valid as of the day published. Due to continual product improvements, Goodyear reserves the right to alter specs without prior notice. For the most current product information, visit us online at www.goodyear-hose.com.

Air &
 Multipurpose
 General Purpose
 Heavy Duty
 Push-on

PETROLEUM TRANSFER

PLICORD® WASTE MATE™


APPLICATION:

Designed for use in tank truck or in-plant applications for the transfer of DILUTED industrial chemicals and petroleum waste, sludge and sediments. It is not recommended for refined petroleum products or concentrated industrial chemicals.

CONSTRUCTION
TUBE:

Black Nitrile RMA Class A (High Oil Resistance)

COVER:

Black SBR (wrapped cover) orange branding tape

REINFORCEMENT:

Spiral-plied synthetic fabric with wire helix

TEMPERATURE:

-25°F to 180°F (-32°C to 82°C)

PACKAGING:

100' length, coiled, polywrapped

BRANDING:

Continuous spiral brand example Goodyear™ Plicord Waste Mate 150 psi.

COUPLINGS:

Use Goodyear's Insta-Lock Cam & Groove Fittings with this product. See page 221 for available Insta-Lock products.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

549-853

NOM. ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
2	50.8	2.48	63.0	150	1.03	4	102	29	737	1.11	1.65
2 ^{1/2}	63.5	3.00	76.2	150	1.03	5	127	29	737	1.42	2.11
3	76.2	3.52	89.4	150	1.03	6	152	29	737	1.88	2.80
4	101.6	4.58	116.3	150	1.03	8	203	29	737	2.62	3.90

Chemical
 Transfer

Cleaning
 Equipment

Food
 Transfer
 Washdown

Marine

Material Handling
 Abrasives
 Bulk Transfer
 Cement & Concrete

Mining

Petroleum
 Aircraft Fueling
 Dispensing
 Dock
 Transfer

Spray

Steam

Vacuum

Water
 Discharge
 Suction &
 Discharge
 Washdown

Welding

Coupling
 Systems

Appendix
 Additional
 Products

Chemical Charts
 General
 Information
 Minimum Run
 Requirements

See Page 2 for complete product warranty and terms of sale information. In V-Cat, please reference the Conditions of Sale page in the General Information section. Information in this catalog supersedes all previously printed material. Information valid as of the day published. Due to continual product improvements, Goodyear reserves the right to alter specs without prior notice. For the most current product information, visit us online at www.goodyear-hose.com.

PETROLEUM TRANSFER

PLICORD® FUEL DISCHARGE



APPLICATION:	Plicord® Fuel Discharge hose is for the discharge of gasoline, oil, ethanol blends and other petroleum based products in tank and industrial applications.
CONSTRUCTION	
TUBE:	Nitrile synthetic rubber RMA Class A (High Oil Resistance), plus antistatic wires
COVER:	Black Chemivac® synthetic rubber RMA Class A (High Oil Resistance)
REINFORCEMENT:	Spiral plied synthetic fabric (2"-4": 2 ply; 6": 4 ply), plus grounding wires
TEMPERATURE:	-35°F to 180°F (-37°C to 82°C)
PACKAGING:	100' lengths, coiled and polywrapped
BRANDING:	Continuous spiral brand example Goodyear™ Plicord Fuel Discharge.
COUPLINGS:	Use Goodyear's Insta-Lock Cam & Groove Fittings with this product. See page 221 for available Insta-Lock products.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	543-331

NOM. ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
3/4	19.1	1.21	30.7	150	1.03	0.42	0.63
1	25.4	1.46	37.1	150	1.03	0.52	0.77
1 ^{1/4}	31.8	1.72	43.7	150	1.03	0.63	0.94
1 ^{1/2}	38.1	1.95	49.5	150	1.03	0.73	1.09
2	50.8	2.49	63.3	150	1.03	0.98	1.46
2 ^{1/2}	63.5	2.98	75.7	150	1.03	1.19	1.77
3	76.2	3.50	88.9	150	1.03	1.45	2.16
3 ^{1/2}	88.9	4.04	102.6	150	1.03	1.70	2.53
4	101.6	4.52	114.8	150	1.03	1.91	2.84
6	152.4	6.63	168.4	150	1.03	3.41	5.07

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

See Page 2 for complete product warranty and terms of sale information. In V-Cat, please reference the Conditions of Sale page in the General Information section. Information in this catalog supersedes all previously printed material. Information valid as of the day published. Due to continual product improvements, Goodyear reserves the right to alter specs without prior notice. For the most current product information, visit us online at www.goodyear-hose.com.

Air &
 Multipurpose
 General Purpose
 Heavy Duty
 Push-on

PETROLEUM TRANSFER

SPIRAFLEX® POLYURETHANE VAPOR RECOVERY



Chemical
 Transfer

Cleaning
 Equipment

Food
 Transfer
 Washdown

Marine

Material Handling
 Abrasives
 Bulk Transfer
 Cement & Concrete

Mining

Petroleum
 Aircraft Fueling
 Dispensing
 Dock
 Transfer

Spray

Steam

Vacuum

Water
 Discharge
 Suction &
 Discharge
 Washdown

Welding

Coupling
 Systems

Appendix
 Additional
 Products
 Chemical Charts
 General
 Information
 Minimum Run
 Requirements

APPLICATION:

For the recovery of gasoline vapors in tank truck loading at bulk terminals and in tank truck unloading at service stations.

CONSTRUCTION
TUBE:

Transparent Polyurethane

COVER:

Transparent Polyurethane

REINFORCEMENT:

Red rigid Pliovic® helix, available with static wire placed between the tube and cover

TEMPERATURE:

-30°F to 150°F (-34°C to 66°C)

PACKAGING:

100' lengths, coiled and polywrapped

BRANDING:

Not branded

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

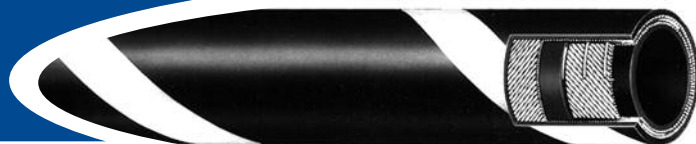
586-465 (without static wire) 586-468 (static wire)

NOM. ID		NOM. OD		MAX. WP		BEND RADIUS		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	in.	mm.	lb./ft.	kg./m.
2	50.8	2.47	62.7	30	0.21	3	76	0.57	0.85
3	76.2	3.41	86.6	20	0.14	4	102	0.68	1.01
4	101.6	4.51	114.6	15	0.10	7	178	0.98	1.46

See Page 2 for complete product warranty and terms of sale information. In V-Cat, please reference the Conditions of Sale page in the General Information section. Information in this catalog supersedes all previously printed material. Information valid as of the day published. Due to continual product improvements, Goodyear reserves the right to alter specs without prior notice. For the most current product information, visit us online at www.goodyear-hose.com.

PETROLEUM TRANSFER

PYROFLEX® HOT TAR & ASPHALT



APPLICATION:	For the transfer of high temperature petroleum based materials such as tar, asphalt, and hot oils. It is suitable for suction and discharge service on tank trucks, tank cars or at bulk stations. Heat resistant tube and Flexten reinforcement.
CONSTRUCTION	
TUBE:	Black Nitrile (special heat resistant) synthetic rubber RMA Class A (High Oil Resistance)
COVER:	Black Wingprene® synthetic rubber RMA Class A (High Oil Resistance) with spiral red stripe
REINFORCEMENT:	Spiral-plied Flexten® with wire helix
TEMPERATURE:	-25°F to 350°F (-32°C to 177°C)
PACKAGING:	100' lengths, coiled and polywrapped
BRANDING:	Continuous spiral brand example Goodyear™ Pyroflex Hot Tar and Asphalt 150 psi.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	543-118

NOM. ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
1 ^{1/2}	38.1	2.15	54.4	150	1.03	4	102	29	737	1.15	1.71
2	50.8	2.66	67.6	150	1.03	5	127	29	737	1.47	2.16
2 ^{1/2}	63.5	3.16	80.2	150	1.03	6	152	29	737	1.83	2.73
3	76.2	3.65	92.8	150	1.03	7	178	29	737	2.23	3.32
4	101.6	4.74	120.4	150	1.03	10	254	29	737	3.16	4.71

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

See Page 2 for complete product warranty and terms of sale information. In V-Cat, please reference the Conditions of Sale page in the General Information section. Information in this catalog supersedes all previously printed material. Information valid as of the day published. Due to continual product improvements, Goodyear reserves the right to alter specs without prior notice. For the most current product information, visit us online at www.goodyear-hose.com.

PETROLEUM TRANSFER

PYROFLEX® HOT TAR WAND



APPLICATION:	A high quality wand hose used in asphalt crack filling applicator and dispensing service.
CONSTRUCTION	
TUBE:	Black Nitrile (special heat resistance)
COVER:	Black Wingprene® (wrapped finish) flame-retardant
REINFORCEMENT:	Spiral-plied (2) steel wire
TEMPERATURE:	-25°F to 350°F (-32°C to 177°C)
PACKAGING:	100' lengths, coiled and polywrapped
BRANDING:	Continuous spiral brand example Goodyear™ Pyroflex Hot Tar Wand Hose.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	543-632

NOM. ID		NOM. OD		MAX. WP		WEIGHT	
<i>in.</i>	<i>mm.</i>	<i>in.</i>	<i>mm.</i>	<i>psi.</i>	<i>Mpa.</i>	<i>lb./ft.</i>	<i>kg./m.</i>
3/4	19.1	1.33	33.8	300	2.07	0.64	0.95
1	25.4	1.61	40.9	300	2.07	0.84	1.25
1 1/2	38.1	2.11	53.6	300	2.07	1.15	1.71

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

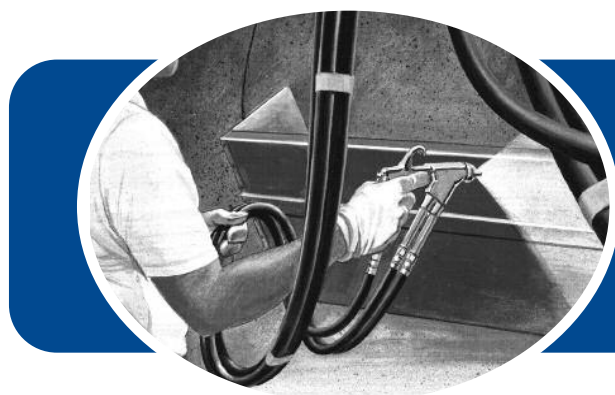
Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

See Page 2 for complete product warranty and terms of sale information. In V-Cat, please reference the Conditions of Sale page in the General Information section. Information in this catalog supersedes all previously printed material. Information valid as of the day published. Due to continual product improvements, Goodyear reserves the right to alter specs without prior notice. For the most current product information, visit us online at www.goodyear-hose.com.



SPRAY

	<i>Page</i>	<i>Rubber</i>	<i>Thermoplastic</i>	<i>Textile</i>	<i>Wire</i>	<i>Temp Range</i>	<i>MSHA</i>
Mine Spray	121	Yes			Yes	0°F to 200°F	Yes
NR Spray	172	Yes		Yes		0°F to 190°F	
Pliovic® Ag Spray (1800 & 2400)	173		Yes	Yes		0°F to 158°F	

Air &
 Multipurpose
 General Purpose
 Heavy Duty
 Push-on

Chemical
 Transfer

Cleaning
 Equipment

Food
 Transfer
 Washdown

Marine

Material Handling
 Abrasives
 Bulk Transfer
 Cement & Concrete

Mining

Petroleum
 Aircraft Fueling
 Dispensing
 Dock
 Transfer

Spray

Steam

Vacuum

Water
 Discharge
 Suction &
 Discharge
 Washdown

Welding

Coupling
 Systems

Appendix
 Additional
 Products
 Chemical Charts
 General
 Information
 Minimum Run
 Requirements



Air &
 Multipurpose
 General Purpose
 Heavy Duty
 Push-on

Chemical
 Transfer

Cleaning
 Equipment

Food
 Transfer
 Washdown

Marine

Material Handling
 Abrasives
 Bulk Transfer
 Cement & Concrete

Mining

Petroleum
 Aircraft Fueling
 Dispensing
 Dock
 Transfer

Spray

Steam

Vacuum

Water
 Discharge
 Suction &
 Discharge
 Washdown

Welding

Coupling
 Systems

Appendix
 Additional
 Products
 Chemical Charts
 General
 Information
 Minimum Run
 Requirements

NR SPRAY



SPRAY

APPLICATION:

NR Spray is a premium-quality, all-purpose hose for handling a variety of applications such as paint spray or agricultural spray. Will handle spraying paints, automotive finish paints, lacquers, thinners, turpentine, air, oil and a large variety of solvents and chemicals.

CONSTRUCTION TUBE:

Nylon, silicone-free

COVER:

Black synthetic rubber, RMA Class B (Medium Oil Resistance)

REINFORCEMENT:

Braided synthetic yarn (1/4" and 3/8"—1 braid) (1/2", 3/4" and 1"—2 braid)

TEMPERATURE:

0°F to 190°F (-18°C to 88°C)

PACKAGING:

500' reel, maximum 3 pieces, 50' minimum

BRANDING:

Continuous brand example Goodyear™ 1/4" IBD NR Spray, Made in USA.

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

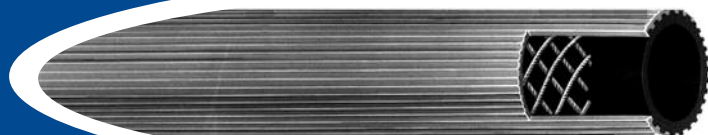
536-290

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1/4	6.4	0.50	12.7	750	5.17	0.08	0.12
3/8	9.5	0.70	17.8	750	5.17	0.15	0.22
1/2	12.7	0.88	22.4	750	5.17	0.22	0.33
3/4	19.1	1.19	30.2	750	5.17	0.36	0.54
1	25.4	1.51	38.4	750	5.17	0.53	0.79



SPRAY

PLIOVIC™ AG SPRAY



APPLICATION:	A lightweight, economical high-pressure hose for carrying air, water and many spray solutions in agricultural applications: including Xylene up to 10% concentration. Safety factor 3:1.
CONSTRUCTION	
TUBE:	Pliovic™, RMA Class B (Medium Oil Resistance)
COVER:	Orange or Green Pliovic™ (ribbed finish)
REINFORCEMENT:	Spiral synthetic yarn
TEMPERATURE:	0°F to 158°F (-18°C to 70°C)
PACKAGING:	300' length, coiled and polywrapped
BRANDING:	Continuous brand example Goodyear™ Pliovic 1800 Spray 1/2" (12.7 mm). Made in USA.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.

PLIOVIC® 1800 (ORANGE)

ORDER CODES: 540-211

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
3/8	9.5	0.69	17.5	600	4.14	0.14	0.21
1/2	12.7	0.78	19.8	600	4.14	0.19	0.28
3/4	19.1	1.10	27.9	600	4.14	0.28	0.42

PLIOVIC® 2400 (GREEN)

ORDER CODES: 540-208

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
3/8	9.5	0.70	17.8	800	5.52	0.14	0.21
1/2	12.7	0.85	21.6	800	5.52	0.20	0.30
3/4	19.1	1.10	27.9	800	5.52	0.28	0.42

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



STEAM

	<i>Page</i>	<i>Temp Range</i>	<i>Smooth Cover</i>	<i>Wrapped Cover</i>	<i>Colors</i>	<i>Coupled Lengths</i>
Flexsteel 250 CB Steam	176	0°F to 425°F	Yes	Yes	Red/Black	
Flexsteel® 250 ORS Steam	177	0°F to 425°F	Yes		Red/Black	
Flexsteel® 250 Steam	175	0°F to 450°F	Yes		Red/Black	
Goodyear 250 Crimped Steam Assembly	178	0°F to 450°F	Yes		Red/Black	Yes
Heavy Duty Steam Pile Driver	180	-40°F to 406°F		Yes	Red/Black	
Plicord® 250 Steam	179	0°F to 406°F		Yes	Red/Black	
Whitewater	51	-20°F to 325°F	Yes		Red/Black	Yes



STEAM

FLEXSTEEL® 250 STEAM



APPLICATION:	Used for cleaning, heat control, fire prevention, pumping, thawing, blow-out service, steam pumps and hoists in open-end or permanent installation operations. It is used in refineries, shipyards, chemical plants, steel mills, foundries and heavy industrial applications where high strength is required and where severe environmental conditions are encountered.
CONSTRUCTION	
TUBE:	Pyrosyn® synthetic rubber
COVER:	Black or Red Pyrosyn, smooth finish, pin-pricked
REINFORCEMENT:	Braided steel wire (3/4" and 1" have 2 steel wire braids)
TEMPERATURE:	0°F to 450F (-18°C to 232°C)
PACKAGING:	Reels or 50' cut lengths (1/2"—4 per box, 3/4"—3 per box, 1"—2 per box)
BRANDING:	Continuous brand example Goodyear™ Flexsteel 250 Steam (DC) Drain after using. Made in USA.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	539-070 (black) 539-076 (red)

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1/2	12.7	1.06	26.9	250	1.72	0.40	0.60
3/4	19.1	1.28	32.5	250	1.72	0.49	0.73
1	25.4	1.63	41.4	250	1.72	0.78	1.16

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
 Multipurpose
 General Purpose
 Heavy Duty
 Push-on

Chemical
 Transfer

Cleaning
 Equipment

Food
 Transfer
 Washdown

Marine

Material Handling
 Abrasives
 Bulk Transfer
 Cement & Concrete

Mining

Petroleum
 Aircraft Fueling
 Dispensing
 Dock
 Transfer

Spray

Steam

Vacuum

Water
 Discharge
 Suction &
 Discharge
 Washdown

Welding

Coupling
 Systems

Appendix
 Additional
 Products
 Chemical Charts
 General
 Information
 Minimum Run
 Requirements

STEAM

FLEXSTEEL® 250 CB STEAM



APPLICATION:

Used for cleaning, heat control, fire prevention, pumping, thawing, blowout service, steam pumps and hoists in open-end or permanent installation operations. It is used in refineries, shipyards, chemical plants, steel mills, foundries and heavy industrial applications where high strength is required and where severe environmental conditions are encountered.

CONSTRUCTION

TUBE:

Chlorobutyl synthetic rubber

COVER:

Red or black Pyrosyn® synthetic rubber

REINFORCEMENT:

Braided steel wire (3/4" and higher have 2 steel wire braids)

TEMPERATURE:

0°F to 425°F (-18°C to 218°C)

PACKAGING:

Smooth cover: Reels or 50' cut lengths (1/2"– 4/box, 3/4"– 3/box, 1"– 2/box)
 Wrapped cover: 1/2" Four 50' exact length/box
 3/4"– 1" Three 50' exact length/box
 1 1/4"– 2" One 50' exact length/box

BRANDING:

Continuous brand example (smooth cover): Flexsteel 250 CB Steam
 SF Goodyear™ 250 psi W.P. Drain after using. Made in USA.
 Continuous brand example (wrapped cover): Ultrabraid Flexsteel 250 CB
 Steam WF Goodyear 250 psi W.P. Drain after using. Made in USA.

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

SF-SMOOTH FINISH (PIN PRICKED)

ORDER CODES: 539-370 (black) 539-376 (red)

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1/2	12.7	1.06	26.9	250	1.72	0.40	0.60
3/4	19.1	1.28	32.5	250	1.72	0.49	0.73
1	25.4	1.63	41.4	250	1.72	0.78	1.16

WF-WRAPPED FINISH (PREVIOUSLY CHLOROBUTYL 250 STEAM)

ORDER CODES: 1/2"–1" 539-176 (red) 1 1/4"–2" 581-176 (red) 1/2"–1" 539-170 (black)

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1/2	12.7	1.00	25.4	250	1.72	0.42	0.63
3/4	19.1	1.31	33.3	250	1.72	0.64	0.95
1	25.4	1.56	39.6	250	1.72	0.77	1.15
1 1/4	31.8	1.75	44.5	250	1.72	1.06	1.58
1 1/2	38.1	2.00	50.8	250	1.72	1.42	2.11
2	50.8	2.50	63.5	250	1.72	1.71	2.54



STEAM

FLEXSTEEL® 250 ORS STEAM



APPLICATION:	Used for cleaning, heat control, fire prevention, pumping, thawing, blowout service, steam pumps and hoists in open-end or permanent installation operations. It is used in refineries, shipyards, chemical plants, steel mills, foundries and heavy industrial applications where the cover is subjected to oil, grease, or animal fats.
CONSTRUCTION	
TUBE:	Pyrosyn® synthetic rubber
COVER:	Black or Red Hysunite® synthetic RMA Class B (medium oil resistance), smooth finish, pin pricked
REINFORCEMENT:	Braided steel wire (3/4" and 1" have 2 steel braided wires)
TEMPERATURE:	0°F to 425°F (-18°C to 218°C)
PACKAGING:	Reels or 50' cut lengths (1/2"– 4 per box, 3/4"– 3 per box, 1"– 2 per box)
BRANDING:	Continuous brand example Goodyear™ Flexsteel 250 ORS Steam (DC). Drain after using. Made in USA.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	539-098 (black) 539-109 (red)

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1/2	12.7	1.06	26.9	250	1.72	0.40	0.60
3/4	19.1	1.28	32.5	250	1.72	0.49	0.73
1	25.4	1.63	41.4	250	1.72	0.78	1.16

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
 Multipurpose
 General Purpose
 Heavy Duty
 Push-on

Chemical
 Transfer

Cleaning
 Equipment

Food
 Transfer
 Washdown

Marine

Material Handling
 Abrasives
 Bulk Transfer
 Cement & Concrete

Mining

Petroleum
 Aircraft Fueling
 Dispensing
 Dock
 Transfer

Spray

Steam

Vacuum

Water
 Discharge
 Suction &
 Discharge
 Washdown

Welding

Coupling
 Systems

Appendix
 Additional
 Products
 Chemical Charts
 General
 Information
 Minimum Run
 Requirements

STEAM

GOODYEAR 250 CRIMPED STEAM ASSEMBLY



APPLICATION:

Used for cleaning, heat control, fire prevention, pumping, thawing, blow-out service, steam pumps and hoists in open-end or permanent installation service. It is used in refineries, shipyards, chemical plants, steel mills, foundries and heavy industrial applications where high strength is required and where severe environmental conditions are encountered.

CONSTRUCTION

TUBE:

Black Pyrosyn® synthetic rubber

COVER:

Red or Black Pyrosyn® synthetic rubber (smooth finish, pin pricked)

REINFORCEMENT:

Braided (2) steel wire

TEMPERATURE:

0°F to 450°F (-18°C to 232°C)

PACKAGING:

25' lengths—3 per box, 50' lengths—2 per box, 100' lengths—1 per box

BRANDING:

Continuous brand example Goodyear™ 250 Steam (DC) Drain after using. Made in USA.

COUPLINGS:

Available: MxM, MxF, FxF. All female ends must have wing nuts. Reference below for coupling components.

NON-STOCK/SIZES:

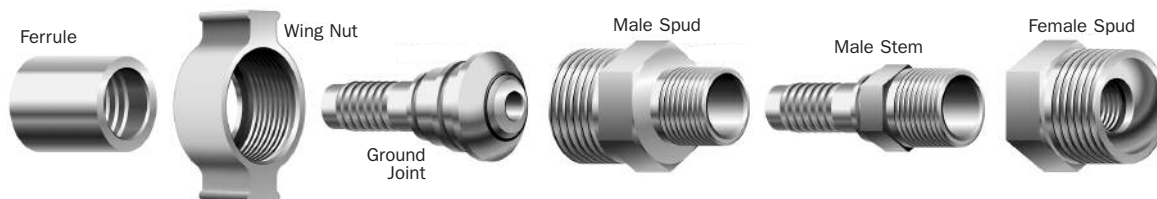
Refer to page 300 for special production run minimum requirements.

ORDER CODES:

3/4 inch: 539-070 (black) 539-076 (red)
1 inch: 539-270 (black) 539-276 (red)

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
3/4	19.1	1.28	32.5	250	1.72	0.62	0.92
1	25.4	1.63	41.4	250	1.72	0.91	1.35

Note: Sold as factory crimped assemblies only. Coupling components not available individually. Spring guards not available. Double spuds available upon request.



STEAM

PLICORD® 250 STEAM



APPLICATION:	A rugged construction used for all-around steam service in chemical plants, refineries, shipyards and demanding industrial service. It is recommended for cleaning, thawing, blowout service, steam pumps, hoists and other applications involving steam.
CONSTRUCTION	
TUBE:	Black Versigard® synthetic rubber
COVER:	Black Versigard® synthetic rubber, also available in red cover with yellow brand for color coding (wrapped impression)
REINFORCEMENT:	Spiral-plied steel wire
TEMPERATURE:	0°F to 406°F (-18°C to 208°C)
PACKAGING:	50' lengths, coiled and polywrapped
BRANDING:	Continuous spiral brand example Goodyear™ Plicord Steam 250 psi. Drain after use.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	549-060 (black) 549-061 (red)

ID		NOM. OD		MAX. WP		WEIGHT	
<i>in.</i>	<i>mm.</i>	<i>in.</i>	<i>mm.</i>	<i>psi.</i>	<i>Mpa.</i>	<i>lb./ft.</i>	<i>kg./m.</i>
1/2	12.7	0.97	24.6	250	1.72	0.33	0.49
3/4	19.1	1.25	31.8	250	1.72	0.49	0.73
1	25.4	1.50	38.1	250	1.72	0.61	0.91
1 1/4	31.8	1.81	46.0	250	1.72	0.83	1.24
1 1/2	38.1	2.09	53.1	250	1.72	1.03	1.53
2	50.8	2.78	70.6	250	1.72	1.88	2.80
2 1/2	63.5	3.28	83.3	250	1.72	2.33	3.47
3	76.2	3.77	95.8	250	1.72	2.73	4.06

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

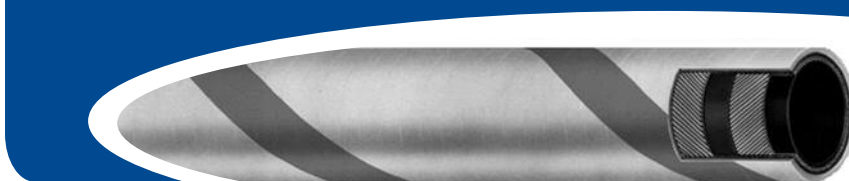
Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

STEAM

HEAVY DUTY STEAM PILE DRIVER



APPLICATION:

Designed to withstand the toughest off shore pile driving applications and offer long-lasting service in on shore applications. A combination of the steam-resistant Versigard® tubing plus the steel Flexten® construction gives this hose the pliability and kinetic and crush resistance required in this application.

CONSTRUCTION

TUBE:

Black Versigard® synthetic rubber

COVER:

Red or Black Versigard® synthetic rubber

REINFORCEMENT:

Brass-coated steel cord and Flexten® breakers

TEMPERATURE:

-40°F to 406°F (-40°C to 205°C)

PACKAGING:

100' exact length, coiled and polywrapped

BRANDING:

Continuous brand example Goodyear™ H.D. Steam Pile Driver 250 psi WP.

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

541-461 (black) 541-460 (red)

ID		NOM. OD		MAX. WP		BEND RADIUS		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	in.	mm.	lb./ft.	kg./m.
2	50.8	3.19	81.0	250	1.72	16	406	3.27	4.87
3	76.2	4.29	109.0	250	1.72	24	610	4.90	7.29
4	101.6	5.63	143.0	250	1.72	32	813	9.07	13.50
6	152.4	7.66	194.6	250	1.72	48	1200	10.98	16.4





VACUUM

	Page	Rubber	Thermoplastic	Clear	Corrugated Cover	Lightweight	Temp Range
Artrac®	94		Yes		Yes	Yes	-30°F to 158°F
Lightrac™	99		Yes		Yes	Yes	-30°F to 158°F
Plicord® HD Industrial Vacuum	185	Yes			Yes		-40°F to 180°F
Plicord® Vacuum (HD & LW)	186	Yes			Yes	Yes	-25°F to 180°F
Spiraflex™ Grassvac™	182		Yes	Yes	Yes	Yes	0°F to 158°F
Spiraflex® Ducting	183		Yes		Yes	Yes	0°F to 150°F
Spiraflex® Vacuum	184		Yes		Yes	Yes	0°F to 158°F
Spirathane™ HD	104		Yes		Yes	Yes	0°F to 158°F
Spirathane™ LD	106		Yes	Yes	Yes	Yes	0°F to 158°F
Spirathane™ PT	105		Yes	Yes	Yes	Yes	0°F to 158°F

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

VACUUM

SPIRAFLEX® GRASSVAC™



APPLICATION:	For lawn, leaf, mulch and yard waste collection. It is also suitable for dust control, ventilation, and ducting.
CONSTRUCTION	
TUBE:	Clear Pliovic™
REINFORCEMENT:	Black rigid, high-density Pliovic helix
TEMPERATURE:	0°F to 158°F (-18°C to 70°C)
PACKAGING:	4–6" 100' lengths, coiled and polywrapped 7–8" 50' lengths, coiled and polywrapped
BRANDING:	Not branded
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Available in all black construction.
ORDER CODES:	586-429 (clear web, black helix)

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
4	101.6	4.46	113.3	15	0.10	4	102	15	381	0.71	1.06
5	127.0	5.55	141.0	15	0.10	7	178	15	381	1.07	1.59
6	152.4	6.56	166.6	10	0.07	7	178	15	381	1.43	2.13
7	177.8	7.63	193.8	10	0.07	9	229	15	381	1.75	2.60
8	203.2	8.66	220.0	10	0.07	9	229	15	381	2.06	3.07



VACUUM

SPIRAFLEX® DUCTING



APPLICATION:	Versatile enough for use in leaf collection machines, manhole blowers and air conditioning and heating applications, as well as for air ducting and pollution control devices. Do not use Spiraflex Ducting for pressure service.
CONSTRUCTION TUBE:	Metallic green Pliovic™ synthetic compound
REINFORCEMENT:	Rigid white high-density Pliovic™ helix
TEMPERATURE:	0°F to 150°F (-18°C to 66°C)
PACKAGING:	1"–6" 100' lengths, coiled and polywrapped 8" 30' lengths, polywrapped
BRANDING:	Not branded
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	586-408

ID		NOM. OD		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	in.	mm.	in.	mm.	lb./ft.	kg./m.
1	25.4	1.21	30.7	2	33	5	127	0.13	0.19
1 ^{1/4}	31.8	1.50	38.1	2	51	5	127	0.18	0.27
1 ^{1/2}	38.1	1.74	44.2	2	57	5	127	0.22	0.33
2	50.8	2.30	58.4	3	76	5	127	0.28	0.42
2 ^{1/2}	63.5	2.80	71.1	4	102	5	127	0.31	0.46
3	76.2	3.40	86.4	7	160	5	127	0.53	0.79
4	101.6	4.44	112.8	8	191	5	127	0.60	0.89
5	127.0	5.50	139.7	9	229	5	127	0.90	1.34
6	152.4	6.46	164.1	10	254	5	127	1.04	1.55
8	203.2	8.52	216.4	12	305	5	127	1.60	2.38

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

VACUUM

SPIRAFLEX® VACUUM



APPLICATION:	Spiraflex® Vacuum hose is for dust collection and exhaust transmission where airborne pollutants, fumes and odors are a major problem.
CONSTRUCTION TUBE:	White Pliovic™ compound
REINFORCEMENT:	Rigid white high-density Pliovic™ helix
TEMPERATURE:	0°F to 158°F (-18°C to 70°C)
PACKAGING:	1"-4" 100' lengths, coiled and polywrapped 5"-6" 30' lengths, coiled and polywrapped
BRANDING:	Not branded
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	586-403

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
1	25.4	1.22	31.0	37	0.26	3	64	29	737	0.13	0.19
1 1/4	31.8	1.50	38.1	37	0.26	4	84	29	737	0.24	0.36
1 1/2	38.1	1.76	44.7	34	0.23	4	97	29	737	0.29	0.43
2	50.8	2.35	59.7	30	0.21	6	140	29	737	0.45	0.67
2 1/2	63.5	2.87	72.9	30	0.21	7	178	29	737	0.61	0.91
3	76.2	3.42	86.9	30	0.21	8	203	29	737	0.80	1.19
4	101.6	4.53	115.1	27	0.19	14	356	15	381	1.13	1.68
5	127.0	5.50	139.7	25	0.17	20	508	10	254	1.07	1.59
6	152.4	6.59	167.4	20	0.14	25	635	10	254	2.05	3.05



VACUUM

PLICORD® HD INDUSTRIAL VACUUM



APPLICATION:	For handling exhaust acid fumes as well as abrasive dust from metal, rock, marble and wood grinding machines.
CONSTRUCTION	
TUBE:	3/16" Guage Tan Pureten™ rubber
COVER:	Black Plioflex® synthetic rubber (corrugated)
REINFORCEMENT:	Spiral-plied synthetic fabric with double wire helix
TEMPERATURE:	-40°F to 180°F (-40°C to 82°C)
PACKAGING:	Polywrapped
BRANDING:	Continuous spiral brand example Goodyear™ HD Industrial Vacuum.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Custom lengths available. Available with Black Pureten
ORDER CODES:	Tan Pureten: 549-222 (2"-6 ⁵ / ₈ ") 541-222 (7"-12 ³ / ₄ ")

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
2	50.8	2.67	67.8	75	0.52	6	152	29	737	1.30	1.93
2 ³ / ₈	69.9	3.04	77.2	75	0.52	7	178	29	737	1.51	2.25
2 ¹ / ₂	63.5	3.17	80.5	75	0.52	8	203	29	737	1.70	2.53
3	76.2	3.73	94.7	50	0.34	9	229	29	737	2.27	3.38
3 ¹ / ₂	88.9	4.28	108.7	50	0.34	11	279	29	737	2.63	3.91
4	101.6	4.76	120.9	50	0.34	12	305	29	737	3.11	4.63
4 ¹ / ₂	114.3	5.26	133.6	50	0.34	14	356	29	737	3.45	5.13
5	127.0	5.80	147.3	35	0.24	15	381	29	737	4.29	6.38
6	152.4	6.80	172.7	35	0.24	18	457	29	737	5.07	7.54
6 ⁵ / ₈	168.3	7.44	189.0	35	0.24	20	508	29	737	5.78	8.60
7	177.8	7.81	198.4	35	0.24	21	533	29	737	6.08	9.06
8	203.2	8.87	225.3	35	0.24	24	610	29	737	7.29	10.86
8 ⁵ / ₈	219.1	9.48	240.8	35	0.24	26	660	29	737	8.39	12.50
10	254.0	10.87	276.1	35	0.24	32	813	29	737	9.67	14.41
12	304.8	12.91	327.9	35	0.24	39	991	29	737	11.81	17.60
12 ³ / ₄	323.8	13.69	347.7	35	0.24	39	991	29	737	12.69	18.91

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

VACUUM

PLICORD® VACUUM



APPLICATION:

Heavy-duty construction for handling abrasive particles from metal, rock and marble grinding machines under vacuum. Lightweight construction used to exhaust fumes and abrasive dust from woodworking machines, metal, rock, granite and similar processing equipment.

CONSTRUCTION

TUBE:

Black Tufsyn® synthetic rubber (static dissipating/static conductive)

COVER:

Black Plioflex® synthetic rubber (corrugated)

REINFORCEMENT:

Spiral-plied synthetic fabric with wire helix

TEMPERATURE:

-25°F to 180°F (-32°C to 82°C)

BRANDING:

Continuous spiral brand Goodyear™ Plicord HD Vacuum.

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

PLICORD® HD VACUUM

ORDER CODES: 549-208 (6" and below) 541-208 (8" ID)

ID		NOM. OD		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	in.	mm.	in.	mm.	lb./ft.	kg./m.
1½	38.1	1.95	49.5	6	152	29	737	0.77	1.15
2	50.8	2.46	62.5	8	203	29	737	0.95	1.41
2½	63.5	3.02	76.7	10	254	29	737	1.39	2.07
3	76.2	3.70	94.0	12	305	29	737	2.25	3.35
4	101.6	4.79	121.7	16	406	29	737	3.34	4.97
6	152.4	6.80	172.7	36	914	29	737	5.10	7.59
8	203.2	9.20	233.7	48	1219	29	737	7.53	11.21

PLICORD® LW VACUUM (LIGHTWEIGHT CONSTRUCTION)

ORDER CODES: 549-207

ID		NOM. OD		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	in.	mm.	in.	mm.	lb./ft.	kg./m.
1½	38.1	1.82	46.2	6	152	29	737	0.59	0.88
2	50.8	2.33	59.2	8	203	29	737	0.70	1.04
2½	63.5	2.84	72.1	10	254	29	737	0.97	1.44
3	76.2	3.33	84.6	12	305	29	737	1.15	1.71
4	101.6	4.93	125.2	16	406	29	737	1.85	2.75
6	152.4	6.47	164.3	24	610	29	737	3.41	5.07





WATER DISCHARGE

	<i>Page</i>	<i>Rubber</i>	<i>Thermoplastic</i>	<i>MSHA</i>	<i>Temp Range</i>	<i>Coupled Lengths</i>	<i>Layflat Construction</i>
Brigade Mine	122		Yes	Yes	-10°F to 150°F		Yes
Fire Engine Booster	193	Yes			0°F to 180°F	Yes	
Pathfinder® Garden Hose	194	Yes			-40°F to 190°F	Yes	
Plicord® Furnace Door	195	Yes			-25°F to 200°F		
Plicord® HD Water Discharge	196	Yes			-25°F to 180°F		
Plicord® Versiflo 125	197	Yes			-25°F to 180°F		Yes
Plicord® Water Discharge 150	198	Yes			-25°F to 180°F		
Potable Water	69	Yes			-25°F to 180°F		
Spiraflex® Blue	189		Yes		-10°F to 150°F		Yes
Spiraflex® Gray (Primeline®)	188		Yes		-10°F to 150°F		Yes
Spiraflex® Green	190		Yes	Yes	-10°F to 150°F		Yes
Spiraflex® Red	191		Yes	Yes	-10°F to 150°F		Yes
Spiraflex® Yellow (Spiraflex® 2700)	192		Yes	Yes	-10°F to 150°F		Yes

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

WATER DISCHARGE

SPIRAFLEX® GRAY PRIMELINE®



APPLICATION:

For light-duty water discharge service.

CONSTRUCTION

TUBE:

Black Pliovic™ compound

COVER:

Gray Pliovic compound

REINFORCEMENT:

Synthetic fabric

TEMPERATURE:

-10°F to 150°F (-23°C to 66°C)

PACKAGING:

300' continuous one piece, coiled and banded

BRANDING:

Continuous brand example Goodyear™ Spiraflex Gray 2" (53.0 mm)
60 psi (.41 Mpa). Made in USA.

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and
coupling procedure.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

537-555

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1 1/2	38.1	1.72	43.7	75	0.52	0.19	0.28
2	50.8	2.22	56.4	60	0.41	0.24	0.36
2 1/2	63.5	2.79	70.9	60	0.41	0.36	0.54
3	76.2	3.31	84.1	50	0.34	0.39	0.58
4	101.6	4.33	110.0	45	0.31	0.65	0.97
6	152.4	6.38	162.1	35	0.24	1.07	1.59

Note: Working pressures are rated at 72°F.



WATER DISCHARGE

SPIRAFLEX® BLUE



APPLICATION:	For light-duty water discharge applications in mining, construction, industry, agricultural and marine service.
CONSTRUCTION	
TUBE:	Blue PVC compound
COVER:	Blue PVC compound
REINFORCEMENT:	Synthetic fabric
TEMPERATURE:	-10°F to 150°F (-23°C to 66°C)
PACKAGING:	300', continuous one piece, coiled and poly-wrapped
BRANDING:	Continuous brand, example Goodyear™ Spiraflex Blue 2" (50.8 mm) 80 psi WP (.55 Mpa).
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	537-564

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1 ^{1/2}	38.1	1.67	42.4	90	0.62	0.20	0.30
2	50.8	2.21	56.1	80	0.55	0.28	0.42
2 ^{1/2}	63.5	2.68	68.1	55	0.38	0.31	0.46
3	76.2	3.20	81.3	55	0.38	0.39	0.58
4	101.6	4.26	108.2	50	0.34	0.55	0.82
6	152.4	6.26	159.0	35	0.24	0.88	1.31
8	203.2	8.32	211.3	35	0.24	1.30	1.93

Note: Working pressures are rated at 72°F.

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

WATER DISCHARGE

SPIRAFLEX® GREEN



APPLICATION:	For medium to light-duty water discharge applications in mining, construction, industry, agricultural and marine service.
CONSTRUCTION	
TUBE:	Green PVC compound
COVER:	Green PVC compound, MSHA IC - 150/1
REINFORCEMENT:	Synthetic fabric
TEMPERATURE:	-10°F to 150°F (-23°C to 66°C)
PACKAGING:	300' continuous one piece, coiled and banded
BRANDING:	Continuous example Goodyear Spiraflex Green 2" (50.8 mm) 80 psi (.55 Mpa) MSHA IC 150/1.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	537-567

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1 1/2	38.1	1.70	43.2	90	0.62	0.21	0.31
2	50.8	2.23	56.6	80	0.55	0.30	0.45
2 1/2	63.5	2.71	68.8	75	0.52	0.34	0.51
3	76.2	3.21	81.5	75	0.52	0.41	0.61
4	101.6	4.28	108.7	70	0.48	0.56	0.83
6	152.4	6.28	159.5	50	0.34	0.99	1.47

Note: Working pressures are rated at 72°F.



WATER DISCHARGE

SPIRAFLEX® RED



APPLICATION:	For medium-duty discharge applications in mining, construction, industry, agriculture and marine service.
CONSTRUCTION	
TUBE:	Black Pliovic™
COVER:	Red Pliovic, MSHA 2G-14C/16
REINFORCEMENT:	Spiral synthetic yarn, one layer longitudinal synthetic yarn
TEMPERATURE:	-10°F to 150°F (-23°C to 66°C)
PACKAGING:	300' continuous one piece, coiled and banded
BRANDING:	Continuous brand example Goodyear™ Spiraflex Red 2" (50.8 mm) 150 psi WP (1.00 Mpa), Flame Resistant, USMSHA 2G-14C/16. Made in USA.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	537-521

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1 1/2	38.1	1.71	43.4	150	1.03	0.23	0.34
2	50.8	2.24	56.9	150	1.03	0.36	0.54
2 1/2	63.5	2.79	70.9	150	1.03	0.41	0.61
3	76.2	3.29	83.6	125	0.86	0.46	0.68
4	101.6	4.32	109.7	100	0.69	0.73	1.09
6	152.4	6.40	162.6	100	0.69	1.18	1.76

Note: Working pressures are rated at 72°F.

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

WATER DISCHARGE

SPIRAFLEX® YELLOW SPIRAFLEX 2700



- APPLICATION:** For heavy-duty applications in mining, agriculture, construction and marine service.
- CONSTRUCTION**
- TUBE:** Black Pliovic™
- COVER:** Yellow fire-retardant Pliovic, MSHA 2G-14C/15
- REINFORCEMENT:** Synthetic fabric
- TEMPERATURE:** -10°F to 150°F (-23°C to 66°C)
- PACKAGING:** 300' continuous one-piece, coiled and banded
- BRANDING:** Continuous brand example Goodyear™ Spiraflex Yellow 2" (50.8 mm), 200 psi (1.38 Mpa) Flame Resistant, USMSHA 2G-14C/15. Made in USA.
- COUPLINGS:** Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
- NON-STOCK/SIZES:** Refer to page 300 for special production run minimum requirements.
- ORDER CODES:** 537-513

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1 ^{1/2}	38.1	1.77	45.0	200	1.38	0.32	0.48
2	50.8	2.34	59.4	200	1.38	0.42	0.63
2 ^{1/2}	63.5	2.88	73.2	200	1.38	0.66	0.98
3	76.2	3.40	86.4	200	1.38	0.76	1.13
4	101.6	4.41	112.0	150	1.03	1.00	1.49
6	152.4	6.48	164.6	150	1.03	1.69	2.51

Note: Working pressures are rated at 72°F.



WATER DISCHARGE

FIRE ENGINE BOOSTER



APPLICATION:	For use in high-pressure fire engine booster service. Also has many applications in other heavy-duty industrial and municipal operations.
CONSTRUCTION	
TUBE:	Synthetic rubber
COVER:	Red synthetic rubber
REINFORCEMENT:	Braided (2) synthetic yarn
TEMPERATURE:	0°F to 180°F (-18°C to 82°C)
PACKAGING:	Cartons: 1000' (50' increments) Cut lengths: 50' (2 pieces); 100' (1 piece) Coupled lengths: 50' (2 pieces); 100' (1 piece)
BRANDING:	Continuous brand example Goodyear™ 1" Fire Engine Booster. Made in USA.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	536-382

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
3/4	19.1	1.25	31.8	800	5.52	0.40	0.60
1	25.4	1.53	38.9	800	5.52	0.55	0.82

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

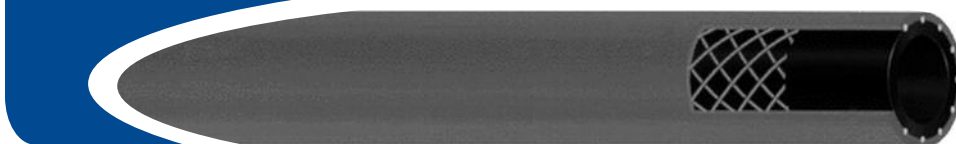
Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

WATER DISCHARGE

PATHFINDER® GARDEN HOSE



APPLICATION:	For in-home, lawn and garden, apartment, smaller plant and commercial property applications.
CONSTRUCTION	
TUBE:	Versigard® synthetic rubber
COVER:	Green Versigard synthetic rubber
REINFORCEMENT:	Spiral synthetic yarn
TEMPERATURE:	-40°F to 190°F (-40°C to 88°C)
PACKAGING:	500' reels, maximum 3 pieces, 50' increments
BRANDING:	Continuous brand example 5/8" (15.9 mm) Pathfinder by Goodyear™ 100 psi WP.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Available in 25' or 50' coupled assemblies.
ORDER CODES:	569-027

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
5/8	15.9	0.94	23.9	100	0.69	0.22	0.33



WATER DISCHARGE

PLICORD® FURNACE DOOR



APPLICATION:	For carrying cooling water to furnace doors in steel mills and similar service operations where the outside of the hose is subjected to open flame and elevated temperatures.
CONSTRUCTION	
TUBE:	Plioflex® synthetic rubber (nonconductive)
COVER:	Fiberglass fabric ply over rubber cover
REINFORCEMENT:	4 Spiral-ply synthetic fabric
TEMPERATURE:	-25°F to 200°F (-32°C to 93°C)
PACKAGING:	1/2"–4" 100' lengths, coiled and polywrapped
BRANDING:	Not branded
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	542-309

ID		NOM. OD		MAX. WP		WEIGHT	
<i>in.</i>	<i>mm.</i>	<i>in.</i>	<i>mm.</i>	<i>psi.</i>	<i>Mpa.</i>	<i>lb./ft.</i>	<i>kg./m.</i>
1/2	12.7	1.06	26.9	200	1.38	0.38	0.57
3/4	19.1	1.32	33.5	200	1.38	0.52	0.77
1	25.4	1.64	41.7	200	1.38	0.76	1.13
1 1/4	31.8	2.06	52.3	200	1.38	1.19	1.77
1 1/2	38.1	2.30	58.4	200	1.38	1.36	2.02
2	50.8	2.87	72.9	200	1.38	1.85	2.75
2 1/2	63.5	3.36	85.3	200	1.38	2.23	3.32
3	76.0	3.85	97.8	200	1.38	5.70	8.45
4	102.0	4.87	123.8	150	1.03	6.90	10.30

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

WATER DISCHARGE

PLICORD® HD WATER DISCHARGE



APPLICATION: A heavy-duty, all-purpose hose with excellent abrasion resistance. It is ideal for service in quarries, mines and construction.

CONSTRUCTION

TUBE: Black Plioflex® synthetic rubber

COVER: Black Plioflex synthetic rubber (wrapped finish)

REINFORCEMENT: Spiral-plied (4) plies of synthetic fabric

TEMPERATURE: -25°F to 180°F (-32°C to 82°C)

PACKAGING: 1"– 8" 100' lengths, coiled and polywrapped

BRANDING: Continuous spiral brand example Goodyear™ Plicord HD Water.

COUPLINGS: Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES: Refer to page 300 for special production run minimum requirements.

ORDER CODES: 542-437 (6⁵/₈" and below) 541-437 (8" and above)

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1 ¹ / ₂	38.1	2.00	50.8	200	1.38	0.79	1.18
2	50.8	2.50	63.5	200	1.38	0.97	1.44
2 ¹ / ₂	63.5	3.06	77.7	200	1.38	1.36	2.02
3	76.2	3.55	90.2	200	1.38	1.60	2.38
4	101.6	4.58	116.3	150	1.03	2.10	3.13
4 ¹ / ₂	114.3	5.07	128.8	150	1.03	2.34	3.48
5	127.0	5.57	141.5	150	1.03	2.59	3.85
6	152.4	6.53	165.9	150	1.03	2.87	4.27
6 ⁵ / ₈	168.3	7.22	183.4	150	1.03	3.58	5.33
8	203.2	8.57	217.7	100	0.69	4.06	6.04
8 ⁵ / ₈	219.1	9.19	233.4	100	0.69	4.57	6.81
10	254.0	10.63	270.0	100	0.69	5.73	8.54
12	304.8	12.66	321.6	100	0.69	6.79	10.12



WATER DISCHARGE

PLICORD® VERSIFLO® 125



APPLICATION:	For medium-duty water discharge service where the hose does not encounter severe handling.
CONSTRUCTION	
TUBE:	Black Versigard® synthetic rubber
COVER:	Black Versigard (wrapped finish)
REINFORCEMENT:	Spiral-plied synthetic fabric
TEMPERATURE:	-25°F to 180°F (-32°C to 82°C)
PACKAGING:	100' lengths, coiled and polywrapped
BRANDING:	Continuous spiral brand example Goodyear™ Versiflo 125 Water Discharge.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	542-527

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1 ^{1/4}	31.8	1.48	37.6	125	0.86	0.26	0.39
1 ^{1/2}	38.1	1.72	43.7	125	0.86	0.30	0.45
2	50.8	2.24	56.9	125	0.86	0.40	0.60
2 ^{1/2}	63.5	2.73	69.3	125	0.86	0.49	0.73
3	76.2	3.22	81.8	125	0.86	0.58	0.86
4	101.6	4.21	106.9	125	0.86	0.83	1.24
6	152.4	6.32	160.5	125	0.86	1.58	2.35

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

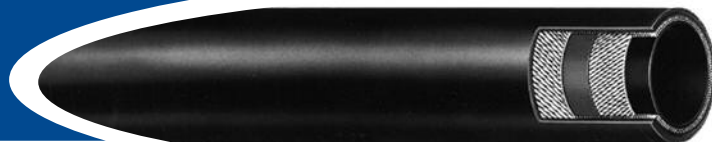
Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

WATER DISCHARGE

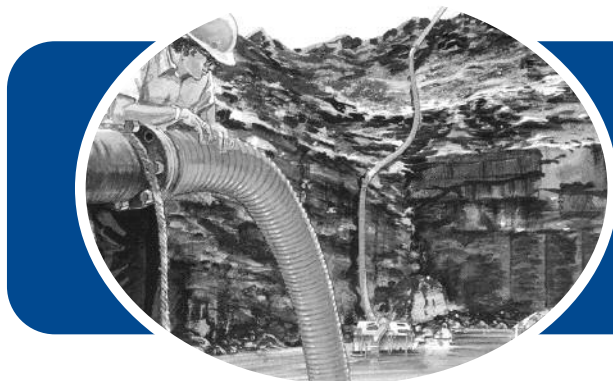
PLICORD® WATER DISCHARGE 150



APPLICATION:	For use in heavy-duty service for a wide range of applications.		
CONSTRUCTION			
TUBE:	Black Plioflex® synthetic rubber		
COVER:	Black Plioflex synthetic rubber		
REINFORCEMENT:	Spiral-plied synthetic fabric		
TEMPERATURE:	-25°F to 180°F (-32°C to 82°C)		
PACKAGING:	3/4"–6"	100' lengths, coiled and polywrapped	
	8"–12"	50' lengths, coiled and polywrapped	
BRANDING:	Continuous spiral brand example Goodyear™ Plicord Water 150.		
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.		
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.		
ORDER CODES:	542-438 (1/2"–6")	541-438	(8"–16")

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
3/4	19.1	1.04	26.4	150	1.03	0.23	0.34
1	25.4	1.29	32.8	150	1.03	0.30	0.45
1 1/4	31.8	1.60	40.6	150	1.03	0.43	0.64
1 1/2	38.1	1.84	46.7	150	1.03	0.50	0.74
2	50.8	2.38	60.5	150	1.03	0.71	1.06
2 1/2	63.5	2.87	72.9	150	1.03	0.87	1.29
3	76.2	3.47	88.1	150	1.03	1.37	2.04
4	101.6	4.50	114.3	150	1.03	1.80	2.68
5	127.0	5.51	140.0	150	1.03	2.32	3.45
6	152.4	6.49	164.9	150	1.03	2.53	3.76
8	203.2	8.45	214.6	150	1.03	3.81	5.68
10	254.0	10.63	270.0	150	1.03	5.67	8.45
12	304.8	12.68	322.1	150	1.03	7.02	10.46





WATER SUCTION & DISCHARGE

	Page	Rubber	Thermoplastic	Clear	Temp Range	Tube Compound
Agflex™	201		Yes	Yes	15°F to 158°F	PVC
Green Hornet	200		Yes		-40°F to 180°F	TPR/PVC
Plicord® Con-Ag™ Water S&D	207	Yes			-40°F to 180°F	EPDM
Plicord® Water S&D	208	Yes			-25°F to 180°F	SBR
Premier	206		Yes		-30°F to 158°F	TPE
Spiraflex® Aggie PVC	202		Yes	Yes	0°F to 158°F	PVC
Spiraflex® 1500	203		Yes	Yes	0°F to 158°F	PVC
Spiraflex® 1600	204		Yes		0°F to 158°F	PVC
Versiflo® 150 Water S&D	209	Yes			-25°F to 200°F	EPDM
Yukon®	205		Yes		-30°F to 150°F	PVC/NITRILE

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
**Suction &
Discharge**
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water

Discharge
**Suction &
Discharge**
Washdown

Welding

Coupling
Systems

Appendix
*Additional
Products*
Chemical Charts
*General
Information*
*Minimum Run
Requirements*

WATER SUCTION & DISCHARGE

GREEN HORNET™



APPLICATION:

Medium-duty, light weight construction, retains flexibility in cold weather. Smooth bore tube minimizes material buildup and resists a variety of chemicals found in agricultural and sanitary industries. Slightly corrugated outer helix promotes abrasion resistance, low coefficient of friction and ease of coupling. Common uses can be found in waste management, construction, agricultural, marine and manufacturing industries.

CONSTRUCTION

TUBE:

Black thermoplastic rubber, RMA Class B (medium oil resistance)

REINFORCEMENT:

Rigid, lime green, polyethylene helix

TEMPERATURE:

-20°F to 180°F (-29°C to 82°C)

PACKAGING:

100' lengths, coiled and polywrapped

BRANDING:

Not branded

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

586-513

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
<i>in.</i>	<i>mm.</i>	<i>in.</i>	<i>mm.</i>	<i>psi</i>	<i>Mpa</i>	<i>in.</i>	<i>mm.</i>	<i>in.</i>	<i>mm.</i>	<i>lb./ft.</i>	<i>kg./m.</i>
1 ^{1/4}	31.8	1.53	39.0	50	0.35	3	76.2	29	737	0.27	0.40
1 ^{1/2}	38.1	1.78	45.3	50	0.35	4	101.6	29	737	0.32	0.48
2	50.8	2.40	61.0	50	0.35	5	127.0	29	737	0.56	0.83
2 ^{1/2}	63.5	2.99	74.9	50	0.35	9	228.6	29	737	0.75	1.12
3	76.2	3.47	88.1	45	0.31	9	304.8	29	737	0.92	1.37
4	101.6	4.67	118.4	40	0.28	16	457.2	29	737	1.60	2.39
6	152.4	6.75	171.4	25	0.17	26	660.4	29	737	2.88	4.30



WATER SUCTION & DISCHARGE

AGFLEX™


APPLICATION:	A general purpose water suction and discharge hose designed for use in industrial, agricultural, construction and septic tank cleaning applications. Corrugated construction provides a flexible and lightweight hose for ease of handling.										
CONSTRUCTION TUBE:	Clear Pliovic™										
REINFORCEMENT:	High-density white rigid Pliovic helix										
TEMPERATURE:	0°F to 158°F (-18°C to 70°C)										
PACKAGING:	1"–6" 100' lengths, coiled and polywrapped 8" 20' lengths, polywrapped										
BRANDING:	Not branded										
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.										
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.										
ORDER CODES:	586-488										

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
1	25.4	1.23	31.2	60	0.41	2	38	29	737	0.17	0.25
1 ^{1/4}	31.8	1.52	38.6	50	0.34	3	64	29	737	0.23	0.34
1 ^{1/2}	38.1	1.78	45.2	50	0.34	3	76	29	737	0.31	0.46
2	50.8	2.36	59.9	40	0.28	3	81	29	737	0.47	0.70
2 ^{1/2}	63.5	2.92	74.2	35	0.24	5	114	29	737	0.74	1.10
3	76.2	3.48	88.4	35	0.24	7	165	29	737	0.94	1.40
4	101.6	4.50	114.3	35	0.24	11	267	15	381	1.41	2.10
5	127.0	5.59	142.0	30	0.21	16	406	15	381	1.78	2.65
6	152.4	6.61	167.9	30	0.21	28	711	15	381	2.56	3.81
8	203.2	9.18	233.2	10	0.07	36	229	15	381	5.65	8.41

 Air &
 Multipurpose
General Purpose
 Heavy Duty
 Push-on

 Chemical
 Transfer

 Cleaning
 Equipment

 Food
Transfer
 Washdown

Marine

 Material Handling
Abrasives
Bulk Transfer
 Cement & Concrete

Mining

 Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
 Washdown

Welding

 Coupling
 Systems

 Appendix
 Additional
 Products
 Chemical Charts
General
Information
 Minimum Run
 Requirements


Air &
 Multipurpose
 General Purpose
 Heavy Duty
 Push-on

Chemical
 Transfer

Cleaning
 Equipment

Food
 Transfer
 Washdown

Marine

Material Handling
 Abrasives
 Bulk Transfer
 Cement & Concrete

Mining

Petroleum
 Aircraft Fueling
 Dispensing
 Dock
 Transfer

Spray

Steam

Vacuum

Water

Discharge
 Suction &
 Discharge
 Washdown

Welding

Coupling
 Systems

Appendix
 Additional
 Products
 Chemical Charts
 General
 Information
 Minimum Run
 Requirements

WATER SUCTION & DISCHARGE

SPIRAFLEX® AGGIE PVC



APPLICATION:	A general purpose water suction hose for use in industrial, agriculture and construction applications.
CONSTRUCTION	
TUBE:	Clear Pliovic™
REINFORCEMENT:	High-density white rigid Pliovic helix
TEMPERATURE:	0°F to 158°F (-9°C to 70°C)
PACKAGING:	100' lengths coiled and polywrapped
BRANDING:	Not branded
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	586-453

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
3/4	19.1	1.00	25.4	120	0.83	3.0	76	29	737	0.18	0.27
1	25.4	1.24	31.5	106	0.73	4.5	114	29	737	0.23	0.34
1 ^{1/4}	31.8	1.53	38.9	99	0.68	5.0	127	29	737	0.34	0.51
1 ^{1/2}	38.1	1.78	45.2	89	0.61	6.0	152	29	737	0.38	0.57
2	50.8	2.31	58.7	79	0.54	8.0	203	29	737	0.58	0.86
2 ^{1/2}	63.5	2.85	72.4	65	0.45	10.0	254	29	737	0.90	1.34
3	76.2	3.41	86.6	65	0.45	12.0	305	29	737	1.07	1.59
4	101.6	4.47	113.5	55	0.38	16.0	406	29	737	1.69	2.51
6	152.4	6.60	167.6	47	0.32	36.0	914	29	737	3.29	4.90



WATER SUCTION & DISCHARGE

SPIRAFLEX® 1500



APPLICATION:	Spiraflex® 1500 is a general purpose water suction and discharge hose for use in industrial, agricultural, construction and septic tank cleaning applications.
CONSTRUCTION	
TUBE:	Clear Pliovic™
REINFORCEMENT:	High-density green rigid Pliovic helix
TEMPERATURE:	0°F to 158°F (-9°C to 70°C)
PACKAGING:	100' lengths coiled and polywrapped
BRANDING:	Not branded
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	586-412

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
3/4	19.1	0.98	24.9	130	0.90	3	83	29	737	0.17	0.25
1	25.4	1.26	32.0	106	0.73	5	114	29	737	0.26	0.39
1 ^{1/4}	31.8	1.53	38.9	99	0.68	5	127	29	737	0.32	0.48
1 ^{1/2}	38.1	1.78	45.2	89	0.61	6	152	29	737	0.38	0.57
2	50.8	2.31	58.7	79	0.54	8	203	29	737	0.58	0.86
2 ^{1/2}	63.5	2.85	72.4	65	0.45	10	254	29	737	0.87	1.29
3	76.2	3.38	85.9	65	0.45	12	305	29	737	1.04	1.54
4	101.6	4.46	113.3	55	0.38	16	406	29	737	1.62	2.41
6	152.4	6.62	168.2	47	0.32	36	914	29	737	3.36	11.02

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



WATER SUCTION & DISCHARGE

SPIRAFLEX® 1600


APPLICATION:

For water suction and discharge service in construction and septic tank cleaning operations, and for general industrial and agricultural applications where mild chemical resistance is required.

CONSTRUCTION
TUBE:

Olive green Pliovic™

REINFORCEMENT:

High-density white rigid Pliovic helix

TEMPERATURE:

0°F to 158°F (-9°C to 70°C)

PACKAGING:

3/4"–6" 100' lengths, coiled and polywrapped
 8"–10" 20' lengths, coiled and polywrapped

BRANDING:

Not branded

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

586-411

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
3/4	19.1	0.98	24.9	130	0.90	3	83	29	737	0.18	0.27
1	25.4	1.24	31.5	106	0.73	5	114	29	737	0.25	0.37
1 ^{1/4}	31.8	1.53	38.9	99	0.68	5	127	29	737	0.32	0.48
1 ^{1/2}	38.1	1.78	45.2	89	0.61	6	152	29	737	0.37	0.55
2	50.8	2.32	58.9	79	0.54	8	203	29	737	0.61	0.91
2 ^{1/2}	63.5	2.85	72.4	65	0.45	10	254	29	737	0.87	1.29
3	76.2	3.41	86.6	65	0.45	12	305	29	737	1.08	1.61
4	101.6	4.46	113.3	55	0.38	16	406	29	737	1.69	2.51
6	152.4	6.57	166.9	47	0.32	36	914	29	737	3.05	4.54
8	203.2	8.92	226.6	40	0.28	60	1524	20	508	6.35	9.45
10	254.0	10.93	277.6	35	0.24	100	2540	20	508	8.75	13.04

Air &
 Multipurpose
 General Purpose
 Heavy Duty
 Push-on

Chemical
 Transfer

Cleaning
 Equipment

Food
 Transfer
 Washdown

Marine

Material Handling
 Abrasives
 Bulk Transfer
 Cement & Concrete

Mining

Petroleum
 Aircraft Fueling
 Dispensing
 Dock
 Transfer

Spray

Steam

Vacuum

Water

Discharge
 Suction &
 Discharge
 Washdown

Welding

Coupling
 Systems

Appendix
 Additional
 Products
 Chemical Charts
 General
 Information
 Minimum Run
 Requirements



WATER SUCTION & DISCHARGE

YUKON®



APPLICATION:	A heavy duty water suction and discharge hose for industrial, construction, agricultural, mining and other applications where low-temperature flexibility is required.
CONSTRUCTION	
TUBE:	Blue Pliovic™, RMA Class B (Medium Oil Resistance)
REINFORCEMENT:	White rigid Pliovic™ helix
TEMPERATURE:	-30°F to 150°F (-34°C to 66°C)
PACKAGING:	100' lengths, coiled and polywrapped
BRANDING:	Not branded
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	586-401

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
1	25.4	1.26	32.0	85	0.59	5	114	29	737	0.26	0.39
1 ^{1/4}	31.8	1.53	38.9	85	0.59	5	127	29	737	0.34	0.51
1 ^{1/2}	38.1	1.76	44.7	80	0.55	6	152	29	737	0.40	0.60
2	50.8	2.35	59.7	71	0.49	8	203	29	737	0.66	0.98
2 ^{1/2}	63.5	2.85	72.4	66	0.46	10	254	29	737	0.84	1.25
3	76.2	3.43	87.1	65	0.45	12	305	29	737	1.22	1.82
4	101.6	4.52	114.8	61	0.42	16	406	29	737	1.86	2.77
6	152.4	6.65	168.9	47	0.32	36	914	29	737	3.37	5.02

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
**Suction &
Discharge**
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



WATER SUCTION & DISCHARGE

PREMIER



APPLICATION:	Medium-duty suction and discharge hose for use in agricultural, construction and general industrial service.
CONSTRUCTION TUBE:	Black thermoplastic elastomer, RMA Class B (Medium Oil Resistance)
REINFORCEMENT:	Rigid yellow Pliovic™ helix
TEMPERATURE:	-30°F to 158°F (-34°C to 70°C)
PACKAGING:	1"–6" 100' lengths, coiled and polywrapped 8" 50' lengths, packaged in a polytube
BRANDING:	Not branded
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	586-452

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
1	25.4	1.28	32.5	50	0.34	2	51	29	737	0.22	0.33
1 ^{1/4}	31.8	1.61	40.9	50	0.34	3	81	29	737	0.25	0.37
1 ^{1/2}	38.1	1.88	47.8	50	0.34	3	81	29	737	0.44	0.65
2	50.8	2.50	63.5	50	0.34	5	132	29	737	0.79	1.18
2 ^{1/2}	63.5	2.98	75.7	50	0.34	6	142	29	737	1.04	1.55
3	76.2	3.63	92.2	43	0.30	7	180	29	737	1.46	2.17
4	101.6	4.73	120.1	38	0.26	11	279	29	737	2.06	3.07
6	152.4	6.80	172.7	23	0.16	20	508	29	737	3.18	4.73

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water

Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



WATER SUCTION & DISCHARGE

PLICORD® CON-AG™ WATER S&D



APPLICATION:	A general purpose water suction and discharge hose for applications in medium or heavy-duty operations such as construction or agriculture.
CONSTRUCTION	
TUBE:	Black Versigard® synthetic rubber
COVER:	Black Versigard synthetic rubber (wrapped finish) with yellow spiral stripe
REINFORCEMENT:	Spiral plied synthetic fabric with wire helix
TEMPERATURE:	-40°F to 180°F (-40°C to 82°C)
PACKAGING:	100' lengths, coiled and polywrapped
BRANDING:	Continuous spiral brand example Con-Ag Water S&D by Goodyear™.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	542-159

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
1 ^{1/4}	31.8	1.69	42.9	125	0.86	4	102	29	737	0.66	0.98
1 ^{1/2}	38.1	1.93	49.0	125	0.86	4	102	29	737	0.76	1.13
2	50.8	2.45	62.2	125	0.86	7	178	29	737	1.03	1.53
2 ^{1/2}	63.5	3.02	76.7	100	0.69	10	254	29	737	1.51	2.25
3	76.2	3.51	89.2	100	0.69	14	356	29	737	1.76	2.62
4	101.6	4.55	115.6	75	0.52	18	457	29	737	2.46	3.66
6	152.4	6.61	167.9	75	0.52	24	610	29	737	4.68	6.96

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
**Suction &
Discharge**
Washdown

Welding

Coupling
Systems

Appendix
*Additional
Products*
Chemical Charts
*General
Information*
*Minimum Run
Requirements*



Air &
 Multipurpose
 General Purpose
 Heavy Duty
 Push-on

Chemical
 Transfer

Cleaning
 Equipment

Food
 Transfer
 Washdown

Marine

Material Handling
 Abrasives
 Bulk Transfer
 Cement & Concrete

Mining

Petroleum
 Aircraft Fueling
 Dispensing
 Dock
 Transfer

Spray

Steam

Vacuum

Water

Discharge
 Suction &
 Discharge
 Washdown

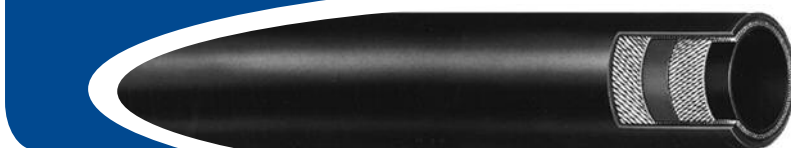
Welding

Coupling
 Systems

Appendix
 Additional
 Products
 Chemical Charts
 General
 Information
 Minimum Run
 Requirements

WATER SUCTION & DISCHARGE

PLICORD® WATER S&D



APPLICATION: For use as a general purpose suction and discharge hose in medium to heavy-duty operations.

CONSTRUCTION
TUBE: Black Plioflex® synthetic rubber
COVER: Black Plioflex® synthetic rubber (wrapped finish)
REINFORCEMENT: Synthetic fabric plies with internal wire helix

TEMPERATURE: -25°F to 180°F (-32°C to 82°C)

PACKAGING: 3/4"-4" 100' lengths, coiled and polywrapped
 5"-12" 20'-100' lengths, coiled and polywrapped

BRANDING: Continuous spiral brand example Goodyear™ Pliocord Water S&D.

COUPLINGS: Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES: Refer to page 300 for special production run minimum requirements.

ORDER CODES: 542-158 (3/4"-6") 541-158 (8"-16")

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
3/4	19.1	1.13	28.7	150	1.03	2	51	29	737	0.36	0.54
1	25.4	1.44	36.6	150	1.03	2	51	29	737	0.54	0.80
1 ^{1/4}	31.8	1.71	43.4	150	1.03	4	102	29	737	0.71	1.06
1 ^{1/2}	38.1	1.99	50.6	150	1.03	4	102	29	737	0.90	1.34
2	50.8	2.48	63.0	150	1.03	6	152	29	737	1.10	1.64
2 ^{1/2}	63.5	3.03	77.0	150	1.03	6	152	29	737	1.11	1.65
3	76.2	3.58	90.9	150	1.03	8	203	29	737	2.02	3.01
4	101.6	4.63	117.6	150	1.03	10	254	29	737	2.75	4.09
5	127.0	5.82	147.8	150	1.03	20	356	29	737	4.75	7.07
6	152.4	6.89	175.0	100	0.69	36	914	29	737	6.29	9.36
8	203.2	8.94	227.1	100	0.69	48	1219	29	737	9.11	13.57
10	254.0	10.99	279.1	100	0.69	56	1422	29	737	12.86	19.16
12	304.8	13.06	331.7	100	0.69	72	1823	29	737	15.70	23.39
14	358.0	15.25	387.0	100	0.69	84	2100	29	737	21.20	31.60
16	408.0	17.53	442.0	100	0.69	96	2400	29	737	28.90	43.10



WATER SUCTION & DISCHARGE

VERSIFLO® 150 WATER S&D



APPLICATION:	General purpose water suction and discharge for medium to heavy-duty applications. Can be used in Lasso® applications.
CONSTRUCTION	
TUBE:	Black Versigard® synthetic rubber
COVER:	Black Versigard synthetic rubber (wrapped finish)
REINFORCEMENT:	Plies of synthetic fabric with wire helix
TEMPERATURE:	-25°F to 200°F (-32°C to 93°C)
PACKAGING:	542-258 - 100' lengths, coiled and polywrapped 541-258 - custom lengths
BRANDING:	Continuous spiral brand Goodyear Versiflo 150 Water Suction & Discharge.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	542-528 (1 1/4" – 6") 541-258 (8" – 14")

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
1 1/4	31.8	1.63	41.4	150	1.03	4	102	29	737	0.53	0.79
1 1/2	38.1	1.87	47.5	150	1.03	4	102	29	737	0.65	0.97
2	50.8	2.39	60.7	150	1.03	7	178	29	737	0.87	1.29
2 1/2	63.5	2.89	73.4	150	1.03	10	254	29	737	1.08	1.61
3	76.2	3.42	86.9	150	1.03	14	356	29	737	1.44	2.14
4	101.6	4.45	113.0	150	1.03	18	457	29	737	2.00	2.98
6	152.4	6.60	167.6	150	1.03	24	610	29	737	4.56	6.79
8	203.0	8.75	238.0	150	1.03	48	1200	29	737	7.40	11.0
10	254.0	10.96	278.0	150	1.03	60	1500	29	737	12.2	18.2
12	305.0	13.23	336.0	150	1.03	72	1800	29	737	18.7	27.9
14	408.0	15.57	396.0	150	1.03	84	2100	29	737	25.1	37.4

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
**Suction &
Discharge**
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water

Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



WATER WASHDOWN

	Page	Temp Range	Non- marking Cover	Superior Oil Resistance Cover	Superior Abrasion Cover	Microban Cover	Tapered Nozzle	Textile	Wire
Fortress™ 300	73	-20°F to 200°F	Yes	Yes	Yes	Yes		Yes	
Fortress™ 1000	74	-20°F to 200°F	Yes	Yes	Yes	Yes		Yes	
Fortress™ 3000	75	-20°F to 250°F	Yes	Yes	Yes	Yes			Yes
Gauntlet™ 1500	52	-20°F to 200°F	Yes*	Yes	Yes			Yes	
Plicord® Washdown	212	-25°F to 200°F					Yes	Yes	
Pulp & Paper Washdown®	213	-25°F to 200°F					Yes	Yes	
Sani-Wash™ 300	79	-40°F to 200°F	Yes					Yes	
Spectra™ 300	76	-20°F to 200°F	Yes	Yes				Yes	
Spectra™ 1000	77	-20°F to 250°F	Yes	Yes					Yes
Spectra™ 3000	78	-20°F to 250°F	Yes	Yes					Yes
Sureline®	211	-40°F to 190°F	Yes*					Yes	

*Nonblack Colors



WATER WASHDOWN

SURELINE®



APPLICATION:	For a wide range of industrial, construction, and agricultural water discharge applications in which a general service water hose is needed.		
CONSTRUCTION			
TUBE:	Versigard® synthetic rubber, RMA Class C (limited oil resistance)		
COVER:	Red or Black Versigard synthetic rubber		
REINFORCEMENT:	Spiral synthetic yarn		
TEMPERATURE:	-40°F to 190°F (-40°C to 88°C)		
PACKAGING:	3/16" – 3/4"	500'	reels, maximum 3 pieces, 50' increments
	1"	450'	reels, maximum 3 pieces, 50' increments
	1 1/4"	400'	reels, maximum 3 pieces, 50' increments
	1 1/2"	300'	reels, maximum 3 pieces, 50' increments
BRANDING:	Continuous brand example 1/2" Sureline by Goodyear™ 150 psi WP.		
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.		
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.		
ORDER CODES:	569-048 (red)	569-049 (black)	

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1/4	6.4	0.48	12.2	150	1.03	0.08	0.12
3/8	9.5	0.66	16.8	150	1.03	0.13	0.19
1/2	12.7	0.78	19.8	150	1.03	0.17	0.25
5/8	15.9	0.93	23.6	150	1.03	0.26	0.39
3/4	19.1	1.08	27.4	150	1.03	0.33	0.49
1	25.4	1.39	35.3	150	1.03	0.52	0.77
1 1/4	31.8	1.63	41.4	150	1.03	0.57	0.85
1 1/2	38.1	1.88	47.8	150	1.03	0.68	1.01

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water

Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

WATER WASHDOWN

PLICORD® WASHDOWN WITH OPTIONAL INTEGRAL TAPERED NOZZLE



APPLICATION:

Plicord® Washdown hose is a quality water discharge hose for the environments typically found in paper mills and other industrial operations. Can be supplied with an integral rubber nozzle.

CONSTRUCTION

TUBE:

Black Plioflex® synthetic rubber

COVER:

Black Plioflex synthetic rubber (wrapped impression). Also available in green or white cover (non-FDA).

REINFORCEMENT:

Spiral-plied synthetic fabric

TEMPERATURE:

-25°F to 200°F (-32°C to 93°C)

PACKAGING:

50' lengths, coiled and polywrapped

BRANDING:

Continuous spiral brand example Goodyear™ Plicord Washdown, 150 Max WP.

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure. Also available with integral tapered nozzle.

NON-STOCK/SIZES:

Hose: 400' minimum order/400' increments
Hose with tapered nozzle: Two 50' lengths, two length increments

ORDER CODES:

542-454 (black) 542-455 (green) 542-507 (white)

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
3/4	19.1	1.17	29.7	150	1.03	0.36	0.54
1	25.4	1.42	36.1	150	1.03	0.45	0.67
1 1/4	31.8	1.69	42.9	150	1.03	0.55	0.82
1 1/2	38.1	1.97	50.0	150	1.03	0.71	1.06

Orifice sizes: 3/4" ID-1/2" Orifice
 1" ID-1/2" Orifice
 1 1/4" ID-5/8" Orifice
 1 1/2" ID-3/4" Orifice



WATER WASHDOWN

PULP & PAPER WASHDOWN WITH OPTIONAL INTEGRAL TAPERED NOZZLE



APPLICATION:	Heavy-duty water discharge hose for washdown service in pulp and papermills where kink resistance is of major importance.
CONSTRUCTION	
TUBE:	Black Versigard® synthetic rubber (also available in white, non-FDA)
COVER:	Black Versigard synthetic rubber
REINFORCEMENT:	Spiral-plied synthetic fabric
TEMPERATURE:	-25°F to 200°F (-32°C to 93°C)
PACKAGING:	50' lengths, coiled and polywrapped
BRANDING:	Continuous spiral brand example Goodyear™ HD Washdown, 300 psi Max WP.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure. Also available with integral tapered nozzle.
NON-STOCK/SIZES:	Hose: 400' minimum order/400' increments Hose with tapered nozzle: Two 50' lengths, two 50' length increments
ORDER CODES:	542-452

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
3/4	19.1	1.30	33.0	300	2.07	0.47	0.70
1	25.4	1.62	41.2	300	2.07	0.67	1.00
1 1/4	31.8	1.88	47.8	300	2.07	0.81	1.21
1 1/2	38.1	2.11	53.7	300	2.07	0.91	1.36

Nozzle Orifice sizes: 3/4" ID-1/2" Orifice
1" ID-1/2" Orifice
1 1/4" ID-5/8" Orifice
1 1/2" ID-3/4" Orifice

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



WELDING

	Page	Oxygen (Green)	Acetylene (Red)	Fuel Gases* (Red)	Flame and Oil Resistant Tube	Flame and Oil Resistant Cover
Gemini® Twin Line Welding (Grade R)	215	Yes	Yes	No	No	No
Gemini® Twin Line Welding (Grade RM)	216	Yes	Yes	No	No	Yes
Gemini® Twin Line Welding (Grade T)	217	Yes	Yes	Yes	Yes	Yes
Wingfoot® Welding (Grade R)	218	Yes	Yes	No	No	No
Wingfoot® Welding (Grade RM)	219	Yes	Yes	No	No	Yes
Wingfoot® Welding (Grade T)	220	Yes	Yes	Yes	Yes	Yes

* Fuel Gases are defined in RMA IP-7 welding hose standard. Flammable compressed gases commonly used in the welding and cutting industry including, but not limited to, acetylene, hydrogen, methane/natural gas, LP gas, propylene and methylacetylene propadiene stabilized.

RMA IP-7 and CGA E-1



WELDING

GEMINI® TWIN LINE WELDING GRADE R - TYPE VD



APPLICATION:	For welding service and it meets RMA/CGA Standards for Grade R welding hose.
CONSTRUCTION	
TUBE:	Versigard® synthetic rubber compatible with oxygen and acetylene gases.
COVER:	Versigard synthetic rubber smooth surface
REINFORCEMENT:	Spiral synthetic yarn
TEMPERATURE:	-40°F to 120°F (-40°C to 49°C)
PACKAGING:	500'–750' reels, maximum 3 pieces, 25' increments
BRANDING:	Continuous brand example Made in USA by Goodyear™ Oxygen Type VD, Grade R - AU Gemini.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	569-588

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
3/16	4.8	0.44	11.2	200	1.38	0.13	0.19
1/4	6.4	0.53	13.5	200	1.38	0.18	0.27
5/16	7.9	0.59	15.0	200	1.38	0.22	0.33
3/8	9.5	0.66	16.8	200	1.38	0.26	0.39

Note: See page 299 for Welding Hose Precautions.

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

WELDING

GEMINI® TWIN LINE WELDING GRADE RM - TYPE VD



APPLICATION:

For welding service and it meets RMA/CGA Standards for Grade RM welding hose. Nonconductive.

CONSTRUCTION

TUBE:

Plioflex® synthetic rubber compatible with oxygen and acetylene gases

COVER:

Chemivic® synthetic rubber smooth cover

REINFORCEMENT:

Spiral synthetic yarn

TEMPERATURE:

-40°F to 120°F (-40°C to 49°C)

PACKAGING:

500'–750' reels, maximum 3 pieces, 25' increments

BRANDING:

Continuous brand example Made in USA by Goodyear™ Oxygen Type VD, Grade RM - AU Gemini.

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

569-598

ID		NOM. OD		MAX. WP		WEIGHT	
<i>in.</i>	<i>mm.</i>	<i>in.</i>	<i>mm.</i>	<i>psi.</i>	<i>Mpa.</i>	<i>lb./ft.</i>	<i>kg./m.</i>
3/16	4.8	0.44	11.2	200	1.38	0.15	0.22
1/4	6.4	0.53	13.5	200	1.38	0.21	0.31
5/16	7.9	0.59	15.0	200	1.38	0.25	0.37
3/8	9.5	0.66	16.8	200	1.38	0.29	0.43

Note: See page 299 for Welding Hose Precautions.



WELDING

GEMINI® TWIN LINE WELDING GRADE T - TYPE VD



APPLICATION:	For welding service and its meets RMA/CGA Standards for Grade T welding hose. Nonconductive.
CONSTRUCTION	
TUBE:	Wingprene® synthetic rubber compatible with all common welding fuel gases
COVER:	Chemivic® synthetic rubber smooth cover
REINFORCEMENT:	Spiral synthetic yarn
TEMPERATURE:	-40°F to 120°F (-40°C to 49°C)
PACKAGING:	500'–750' reels, maximum 3 pieces, 25' increments
BRANDING:	Continuous brand example Made in USA by Goodyear™ Oxygen Type VD, Grade T - AU Gemini.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	569-618

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
3/16	4.8	0.44	11.2	200	1.38	0.13	0.19
1/4	6.4	0.53	13.5	200	1.38	0.18	0.27
5/16	7.9	0.59	15.0	200	1.38	0.22	0.33
3/8	9.5	0.66	16.8	200	1.38	0.26	0.39

Note: See page 299 for Welding Hose Precautions.

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



WELDING

WINGFOOT® WELDING GRADE R



APPLICATION:	For welding service and it meets RMA/CGA Standards for Grade R welding hose.
CONSTRUCTION	
TUBE:	Versigard® synthetic rubber
COVER:	Versigard synthetic rubber ribbed surface
REINFORCEMENT:	Spiral synthetic yarn
TEMPERATURE:	-40°F to 120°F (-40°C to 49°C)
PACKAGING:	500'–750' reels, maximum 3 pieces, 25' increments
BRANDING:	Continuous brand example Goodyear™ Wingfoot Welding Grade R.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	569-591 (red cover) (acetylene) 569-592 (green cover) (oxygen)

ID		NOM. OD		MAX. WP		WEIGHT	
<i>in.</i>	<i>mm.</i>	<i>in.</i>	<i>mm.</i>	<i>psi.</i>	<i>Mpa.</i>	<i>lb./ft.</i>	<i>kg./m.</i>
3/16	4.8	0.44	11.2	200	1.38	0.08	0.12
1/4	6.4	0.53	13.5	200	1.38	0.10	0.15
5/16	7.9	0.59	15.0	200	1.38	0.11	0.16
3/8	9.5	0.66	16.8	200	1.38	0.13	0.19

Note: See page 299 for Welding Hose Precautions.

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



WELDING

WINGFOOT® WELDING GRADE RM



APPLICATION:	For welding service and it meets RMA/CGA Standards for Grade RM welding hose.
CONSTRUCTION	
TUBE:	Plioflex® synthetic rubber (nonconductive)
COVER:	Chemivic® synthetic rubber ribbed surface
REINFORCEMENT:	Spiral synthetic yarn
TEMPERATURE:	-40°F to 120°F (-40°C to 49°C)
PACKAGING:	500'–750' reels, maximum 3 pieces, 25' increments
BRANDING:	Continuous brand example Goodyear™ Wingfoot Welding Grade RM.
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	Refer to page 300 for special production run minimum requirements.
ORDER CODES:	569-589 (red cover) (acetylene) 569-590 (green cover) (oxygen)

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
3/16	4.8	0.44	11.2	200	1.38	0.08	0.12
1/4	6.4	0.53	13.5	200	1.38	0.10	0.15
5/16	7.9	0.55	15.1	200	1.38	0.12	0.18
3/8	9.5	0.66	16.8	200	1.38	0.13	0.19

Note: See page 299 for Welding Hose Precautions.

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

WELDING

WINGFOOT® WELDING GRADE T



APPLICATION:

For welding service and it meets RMA/CGA Standards for Grade T welding hose. Nonconductive.

CONSTRUCTION TUBE:

Wingprene® synthetic rubber compound compatible with all common welding fuel gases.

COVER:

Chemivic™ synthetic rubber ribbed surface

REINFORCEMENT:

Spiral synthetic yarn

TEMPERATURE:

-40°F to 120°F (-40°C to 49°C)

PACKAGING:

500'–750' reels, maximum 3 pieces, 25' increments

BRANDING:

Continuous brand example Goodyear™ Wingfoot Welding Grade T.

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

569-619 (red cover) (acetylene or other common welding fuel gas)
569-620 (green cover) (oxygen)

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
3/16	4.8	0.44	11.1	200	1.38	0.08	0.12
1/4	6.4	0.53	13.5	200	1.38	0.10	0.15
5/16	7.9	0.60	15.1	200	1.38	0.12	0.18
3/8	9.5	0.66	16.7	200	1.38	0.14	0.21

Note: See page 299 for Welding Hose Precautions.





	<i>Page</i>	<i>Aluminum</i>	<i>Stainless Steel</i>	<i>Brass</i>	<i>Carbon Steel</i>	<i>Steel</i>
Insta-Lock™ Dust Cap	229	Yes	Yes	Yes		
Insta-Lock™ Dust Plug	230	Yes	Yes	Yes		
Insta-Lock™ Gaskets	232					
Insta-Lock™ Interlocking Ferrules	233		Yes		Yes	
Insta-Lock™ Interlocking Stainless Steel Male NPT Hose Stem	228		Yes			
Insta-Lock™ Repair Kits	231		Yes	Yes		
Insta-Lock™ Type A	222	Yes	Yes	Yes		
Insta-Lock™ Type B	223	Yes	Yes	Yes		
Insta-Lock™ Type C	224	Yes	Yes	Yes		
Insta-Lock™ Type D	225	Yes	Yes	Yes		
Insta-Lock™ Type E	226	Yes	Yes	Yes		
Insta-Lock™ Type F	227	Yes	Yes	Yes		
Pressure Washer Fittings	235					Yes
Stainless Steel Crimp Sleeves for Paladin™ Hose	234		Yes			

Note: Contact Customer Service for lead times on Brass Insta-Lock fittings.

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

**Coupling
Systems**

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

**Coupling
Systems**

Appendix
Additional
Products

Chemical Charts
General
Information
Minimum Run
Requirements

COUPLING SYSTEMS

INSTA-LOCK™ TYPE A MALE ADAPTER x FEMALE NPT THREAD



APPLICATION:

Type A fitting is commonly threaded onto a pipe, threaded hose end or manifold system, which is connected and disconnected on a regular basis. Insta-Lock fittings are designed for liquids only. Consult the chemical resistance guide for specific chemical recommendations.

MATERIALS:

Aluminum, 316# Stainless Steel and Brass

PRESSURE RATING:

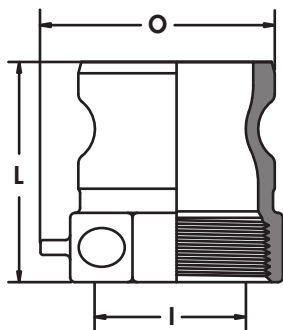
Sizes 1/2"–2", 250 PSI; sizes 2 1/2"–4", 150 PSI; sizes 5"–6", 75 PSI. Recommended working pressure ratings based on ambient temperature (70°F).

BRANDING:

Example: Goodyear A200SS

ORDER CODES:

650-825 (aluminum) 650-833 (brass)
650-841 (stainless steel)



SIZE	ALUMINUM	STAINLESS STEEL	BRASS
1/2	A050AL	A050SS	A050BR
3/4	A075AL	A075SS	A075BR
1	A100AL	A100SS	A100BR
1 1/4	A125AL	A125SS	A125BR
1 1/2	A150AL	A150SS	A150BR
2	A200AL	A200SS	A200BR
2 1/2	A250AL	A250SS	A250BR
3	A300AL	A300SS	A300BR
4	A400AL	A400SS	A400BR
5	A500AL	A500SS	A500BR
6	A600AL	A600SS	A600BR

SIZE	DISTANCE CHAIN LUG EXTENDS FROM BODY	OVERALL LENGTH (L)	MAXIMUM WIDTH ACROSS ADAPTER (O)	MINIMUM ID (I)
in.	in.	in.	in.	in.
1/2	0.375	1.656	1.500	0.500
3/4	0.375	1.656	1.688	0.781
1	0.375	2.163	1.804	0.875
1 1/4	0.375	2.437	2.237	1.063
1 1/2	0.375	2.531	2.368	1.375
2	0.375	2.781	2.909	1.750
2 1/2	0.375	3.093	3.585	2.187
3	0.375	3.281	4.009	2.812
4	0.375	3.528	5.257	3.750
5	0.375	3.813	6.438	4.688
6	0.375	3.656	7.688	5.750

Note: Goodyear Insta-Lock Fittings are never to be used in steam or compressed air service.



COUPLING SYSTEMS

INSTA-LOCK™ TYPE B FEMALE COUPLER x MALE NPT THREAD



APPLICATION:

Type B fitting is normally threaded onto a pipe or manifold which joins to a rubber hose assembly which is connected and disconnected regularly. Insta-Lock fittings are designed for liquids only. Consult the chemical resistance guide for specific chemical recommendations.

MATERIALS:

Aluminum, 316# Stainless Steel and Brass

PRESSURE RATING:

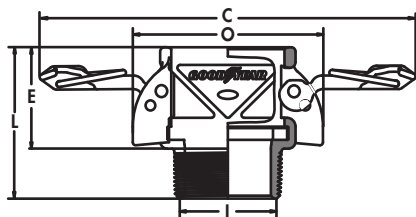
Sizes 1/2"-2", 250 PSI; sizes 2 1/2"-4", 150 PSI; sizes 5"-6", 75 PSI. Recommended working pressure ratings based on ambient temperature (70°F) with Standard Nitrile gaskets.

BRANDING:

Example: Goodyear B200SS

ORDER CODES:

650-826 (aluminum) 650-834 (brass)
650-842 (stainless steel)



SIZE	ALUMINUM	STAINLESS STEEL	BRASS
1/2	B050AL	B050SS	B050BR
3/4	B075AL	B075SS	B075BR
1	B100AL	B100SS	B100BR
1 1/4	B125AL	B125SS	B125BR
1 1/2	B150AL	B150SS	B150BR
2	B200AL	B200SS	B200BR
2 1/2	B250AL	B250SS	B250BR
3	B300AL	B300SS	B300BR
4	B400AL	B400SS	B400BR
5	B500AL	B500SS	B500BR
6	B600AL	B600SS	B600BR

SIZE	MAX WIDTH WITH CAM ARMS CLOSED (O)	OVERALL LENGTH (L)	EXPOSED LENGTH (E)	MINIMUM ID (I)	MAX WIDTH WITH CAM ARMS EXTENDED (C)
in.	in.	in.	in.	in.	in.
1/2	2.469	1.906	1.188	0.469	4.969
3/4	2.781	2.031	1.313	0.688	5.261
1	2.920	2.500	1.625	0.875	5.367
1 1/4	3.510	2.937	2.000	1.063	7.669
1 1/2	3.830	2.937	2.000	1.375	7.967
2	4.210	3.218	2.156	1.750	8.340
2 1/2	4.720	3.718	2.250	2.187	8.837
3	5.680	4.000	2.468	2.812	10.435
4	6.780	4.218	2.593	3.750	11.538
5	7.813	4.406	2.625	4.688	12.571
6	9.344	4.750	2.844	5.750	16.096

Note: Goodyear Insta-Lock Fittings are never to be used in steam or compressed air service. Goodyear Insta-Lock Cam Arms are designed exclusively for Insta-Lock fittings.

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

**Coupling
Systems**

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

**Coupling
Systems**

Appendix
Additional
Products

Chemical Charts
General
Information
Minimum Run
Requirements

COUPLING SYSTEMS

INSTA-LOCK™ TYPE C FEMALE COUPLER x HOSE SHANK



APPLICATION:

Type C fitting can be attached to a rubber hose with the use of interlocking ferrules, crimp sleeves, or bands. Insta-Lock fittings are designed for liquids only. Consult the chemical resistance guide for specific chemical recommendations.

MATERIALS:

Aluminum, 316# Stainless Steel and Brass

PRESSURE RATING:

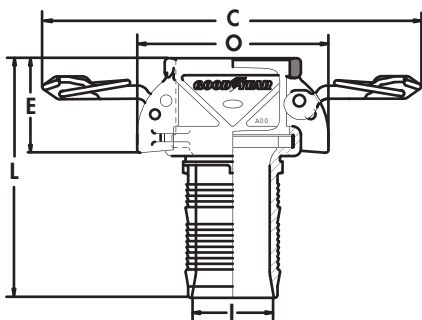
Sizes 1/2"–2", 250 PSI; sizes 2 1/2"–4", 150 PSI; sizes 5"–6", 75 PSI. Recommended working pressure ratings based on ambient temperature (70°F) with Standard Nitrile gaskets.

BRANDING:

Example: Goodyear C200SS

ORDER CODES:

650-827 (aluminum) 650-835 (brass)
650-843 (stainless steel)



SIZE	ALUMINUM	STAINLESS STEEL	BRASS
1/2	C050AL	C050SS	C050BR
3/4	C075AL	C075SS	C075BR
1	C100AL	C100SS	C100BR
1 1/4	C125AL	C125SS	C125BR
1 1/2	C150AL	C150SS	C150BR
2	C200AL	C200SS	C200BR
2 1/2	C250AL	C250SS	C250BR
3	C300AL	C300SS	C300BR
4	C400AL	C400SS	C400BR
5	C500AL	C500SS	C500BR
6	C600AL	C600SS	C600BR

SIZE	MAX WIDTH WITH CAM ARMS CLOSED (O)	OVERALL LENGTH (L)	EXPOSED LENGTH (E)	MINIMUM ID (I)	MAX WIDTH WITH CAM ARMS EXTENDED (C)
in.	in.	in.	in.	in.	in.
1/2	2.469	3.063	1.188	0.260	4.969
3/4	2.781	3.656	1.313	0.490	5.261
1	2.920	4.250	1.975	0.718	5.367
1 1/4	3.510	4.625	2.350	0.906	7.669
1 1/2	3.830	4.750	2.370	1.156	7.967
2	4.210	5.281	2.531	1.625	8.340
2 1/2	4.720	5.750	2.625	2.093	8.837
3	5.680	6.840	2.849	2.560	10.435
4	6.780	7.218	2.994	3.468	11.538
5	7.813	7.563	2.625	4.469	12.571
6	9.344	8.969	2.844	5.469	16.096

Note: Goodyear Insta-Lock Fittings are never to be used in steam or compressed air service. Goodyear Insta-Lock Cam Arms are designed exclusively for Insta-Lock fittings.



COUPLING SYSTEMS

INSTA-LOCK™ TYPE D FEMALE COUPLER x FEMALE NPT THREAD



APPLICATION:

Type D fitting is commonly threaded onto a pipe, threaded hose end, or manifold system, which is connected and disconnected on a regular basis. Insta-Lock fittings are designed for liquids only. Consult the chemical resistance guide for specific chemical recommendations.

MATERIALS:

Aluminum, 316# Stainless Steel and Brass

PRESSURE RATING:

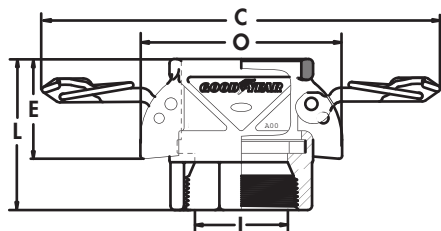
Sizes 1"–2", 250 PSI; sizes 2½"–4", 150 PSI; sizes 5"–6", 75 PSI. Recommended working pressure ratings based on ambient temperature (70°F) with Standard Nitrile gaskets.

BRANDING:

Example: Goodyear D200SS

ORDER CODES:

650-828 (aluminum) 650-836 (brass)
650-844 (stainless steel)



SIZE	ALUMINUM	STAINLESS STEEL	BRASS
1/2	D050AL	D050SS	D050BR
3/4	D075AL	D075SS	D075BR
1	D100AL	D100SS	D100BR
1¼	D125AL	D125SS	D125BR
1½	D150AL	D150SS	D150BR
2	D200AL	D200SS	D200BR
2½	D250AL	D250SS	D250BR
3	D300AL	D300SS	D300BR
4	D400AL	D400SS	D400BR
5	D500AL	D500SS	D500BR
6	D600AL	D600SS	D600BR

SIZE	MAX WIDTH WITH CAM ARMS CLOSED (O)	OVERALL LENGTH (L)	EXPOSED LENGTH (E)	MINIMUM ID (I)	MAX WIDTH WITH CAM ARMS EXTENDED (C)
in.	in.	in.	in.	in.	in.
1/2	2.469	1.813	1.188	0.656	4.969
3/4	2.781	2.063	1.313	0.813	5.261
1	2.920	2.375	1.975	1.000	5.367
1¼	3.510	2.687	2.350	1.300	7.669
1½	3.830	2.843	2.370	1.560	7.967
2	4.210	3.156	2.531	1.937	8.340
2½	4.720	3.437	2.625	2.312	8.837
3	5.680	3.718	2.849	2.937	10.435
4	6.780	4.030	2.994	3.750	11.538
5	7.813	4.313	2.563	4.688	12.571
6	9.344	4.513	2.719	5.750	16.096

Note: Goodyear Insta-Lock Fittings are never to be used in steam or compressed air service. Goodyear Insta-Lock Cam Arms are designed exclusively for Insta-Lock fittings.



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

**Coupling
Systems**

Appendix
Additional
Products

Chemical Charts
General
Information
Minimum Run
Requirements

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

**Coupling
Systems**

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

COUPLING SYSTEMS

INSTA-LOCK™ TYPE E MALE ADAPTER x HOSE SHANK



APPLICATION:

Type E fitting can be attached to a rubber hose with the use of interlocking ferrules, crimp sleeve and bands. Insta-Lock fittings are designed for liquids only. Consult the chemical resistance guide for specific chemical recommendations.

MATERIALS:

Aluminum, 316# Stainless Steel and Brass

PRESSURE RATING:

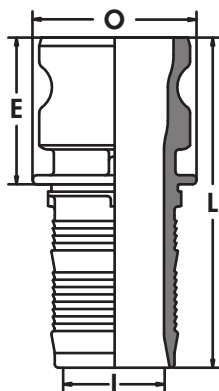
Sizes 1"-2", 250 PSI; sizes 2½"-4", 150 PSI; sizes 5"-6", 75 PSI. Recommended working pressure ratings based on ambient temperature (70°F).

BRANDING:

Example: Goodyear E200SS

ORDER CODES:

650-829 (aluminum) 650-837 (brass)
650-845 (stainless steel)



SIZE	ALUMINUM	STAINLESS STEEL	BRASS
1/2	E050AL	E050SS	E050BR
3/4	E075AL	E075SS	E075BR
1	E100AL	E100SS	E100BR
1¼	E125AL	E125SS	E125BR
1½	E150AL	E150SS	E150BR
2	E200AL	E200SS	E200BR
2½	E250AL	E250SS	E250BR
3	E300AL	E300SS	E300BR
4	E400AL	E400SS	E400BR
5	E500AL	E500SS	E500BR
6	E600AL	E600SS	E600BR

SIZE	MAXIMUM OD (O)	OVERALL LENGTH (L)	EXPOSED LENGTH (E)	MINIMUM ID (I)
in.	in.	in.	in.	in.
1/2	1.188	3.500	1.625	0.260
3/4	1.262	3.969	1.625	0.490
1	1.625	4.569	1.944	0.718
1¼	2.000	4.812	2.187	0.906
1½	2.312	5.000	2.250	1.156
2	2.687	5.625	2.500	1.625
2½	3.062	6.187	2.687	2.093
3	3.781	7.125	2.750	2.562
4	4.875	7.434	2.809	3.468
5	6.563	7.844	2.906	4.469
6	7.125	9.188	3.063	5.469

Note: Goodyear Insta-Lock Fittings are never to be used in steam or compressed air service.



COUPLING SYSTEMS

INSTA-LOCK™ TYPE F MALE ADAPTER x MALE NPT THREAD


APPLICATION:

Type F fitting is normally threaded into pipe or manifold connections and mated with Part C, Part B, or Part D. Used in applications that require frequent connections. Insta-Lock fittings are designed for liquids only. Consult the chemical resistance guide for specific chemical recommendations.

MATERIALS:

Aluminum, 316# Stainless Steel and Brass

PRESSURE RATING:

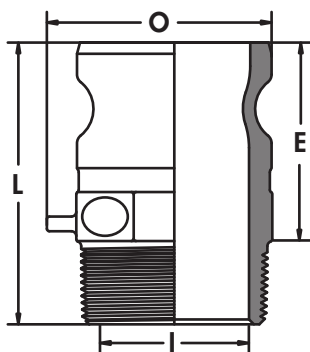
Sizes 1/2"–2", 250 PSI; sizes 2 1/2"–4", 150 PSI; sizes 5"–6", 75 PSI. Recommended working pressure ratings based on ambient temperature (70°F).

BRANDING:

Example: Goodyear F200SS

ORDER CODES:

650-830 (aluminum) 650-838 (brass)
 650-846 (stainless steel)



SIZE	ALUMINUM	STAINLESS STEEL	BRASS
1/2	F050AL	F050SS	F050BR
3/4	F075AL	F075SS	F075BR
1	F100AL	F100SS	F100BR
1 1/4	F125AL	F125SS	F125BR
1 1/2	F150AL	F150SS	F150BR
2	F200AL	F200SS	F200BR
2 1/2	F250AL	F250SS	F250BR
3	F300AL	F300SS	F300BR
4	F400AL	F400SS	F400BR
5	F500AL	F500SS	F500BR
6	F600AL	F600SS	F600BR

SIZE	MAXIMUM WIDTH ACROSS ADAPTER (O)	OVERALL LENGTH (L)	EXPOSED LENGTH (E)	MINIMUM ID (I)	DISTANCE CHAIN LUG EXTENDS FROM BOD (C)
in.	in.	in.	in.	in.	in.
1/2	1.150	2.250	1.531	0.469	0.375
3/4	1.688	2.375	1.656	0.688	0.375
1	1.730	2.819	2.038	0.875	0.375
1 1/4	2.130	3.156	2.279	1.187	0.375
1 1/2	2.300	3.222	2.347	1.437	0.375
2	2.909	3.593	2.596	1.750	0.375
2 1/2	3.281	4.218	2.812	2.187	0.375
3	3.844	4.343	2.875	2.812	0.375
4	4.994	4.746	3.184	3.734	0.375
5	6.188	4.906	3.125	4.688	0.375
6	7.500	5.219	3.313	5.750	0.375

Note: Goodyear Insta-Lock Fittings are never to be used in steam or compressed air service.

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown

Welding

**Coupling
Systems**

Appendix
Additional Products
Chemical Charts
General Information
Minimum Run Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

**Coupling
Systems**

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

COUPLING SYSTEMS

INSTA-LOCK™ INTERLOCKING STAINLESS STEEL MALE NPT HOSE STEM



APPLICATION:

Goodyear Interlocking Stainless Steel Male NPT Hose Stem fitting are designed to be attached to a rubber hose with the use of a Goodyear Insta-Lock Ferrule. Insta-Lock fittings are designed for liquids only, consult the chemical resistance guide for specific chemical resistance recommendations.

MATERIALS:

316# Stainless Steel

PRESSURE RATING:

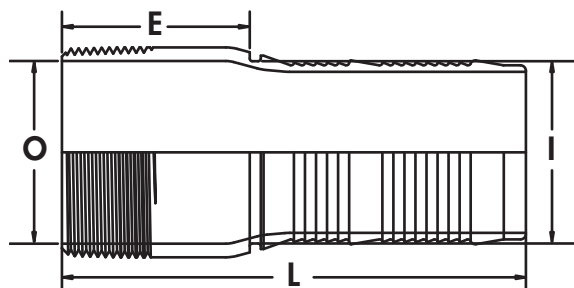
Sizes 1" to 2" 250 PSI, 2¹/₂" to 4" 150 PSI. Recommended working pressure ratings based on ambient temperature (70°F)

BRANDING:

Example: Goodyear GTM200SS

ORDER CODE:

604-824 (stainless steel)



SIZE	STAINLESS STEEL
1	GTM100SS
1 ¹ / ₄	GTM125SS
1 ¹ / ₂	GTM150SS
2	GTM200SS
2 ¹ / ₂	GTM250SS
3	GTM300SS
4	GTM400SS

SIZE	MAXIMUM OD (O)	OVERALL LENGTH (L)	EXPOSED LENGTH (C)	MINIMUM ID (I)
in.	in.	in.	in.	in.
1	1.315	4.375	1.750	0.830
1 ¹ / ₄	1.660	4.500	1.875	1.130
1 ¹ / ₂	1.900	4.750	2.000	1.360
2	2.375	5.250	2.125	1.820
2 ¹ / ₂	2.875	6.125	2.625	2.240
3	3.500	7.000	2.625	2.730
4	4.500	7.625	3.000	3.710

Note: Goodyear Insta-Lock Fittings are never to be used in steam or compressed air service.



COUPLING SYSTEMS

INSTA-LOCK™ DUST CAP



APPLICATION:

Dust Cap is used to seal the pipe system and hose assemblies during non-use or transfer of assembly. Mating parts are the Part A, Part E, and Part F.

MATERIALS:

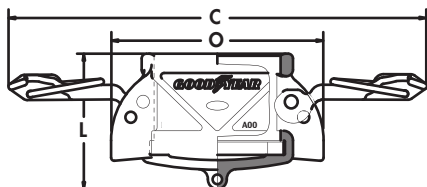
Aluminum, 316# Stainless Steel and Brass (standard Nitrile gasket)

BRANDING:

Example: Goodyear DC200SS

ORDER CODES:

650-831 (aluminum) 650-839 (brass)
650-847 (stainless steel)



SIZE	ALUMINUM	STAINLESS STEEL	BRASS
1/2	DC050AL	DC050SS	DC050BR
3/4	DC075AL	DC075SS	DC075BR
1	DC100AL	DC100SS	DC100BR
1 1/4	DC125AL	DC125SS	DC125BR
1 1/2	DC150AL	DC150SS	DC150BR
2	DC200AL	DC200SS	DC200BR
2 1/2	DC250AL	DC250SS	DC250BR
3	DC300AL	DC300SS	DC300BR
4	DC400AL	DC400SS	DC400BR
5	DC500AL	DC500SS	DC500BR
6	DC600AL	DC600SS	DC600BR

SIZE	MAX WIDTH WITH CAM ARMS CLOSED (O)	OVERALL LENGTH (L)	OD WITH CAM ARMS EXTENDED (C)	DISTANCE CHAIN LUG EXTENDS FROM BODY
in.	in.	in.	in.	in.
1/2	2.469	1.625	4.969	0.375
3/4	2.781	1.625	5.261	0.375
1	2.920	2.086	5.367	0.375
1 1/4	3.510	2.360	7.669	0.375
1 1/2	3.830	2.400	7.967	0.375
2	4.210	2.633	8.340	0.375
2 1/2	4.720	2.786	8.837	0.375
3	5.680	2.957	10.435	0.375
4	6.780	3.134	11.538	0.375
5	7.813	3.219	12.571	0.375
6	9.344	3.500	16.096	0.375

Note: Goodyear Insta-Lock Fittings are never to be used in steam or compressed air service. Goodyear Insta-Lock Cam Arms are designed exclusively for Insta-Lock fittings.



Warning: Dust Caps and Dust Plugs are not to be used in pressure applications for safety and environmental reasons.



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

**Coupling
Systems**

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
*Suction &
Discharge*
Washdown

Welding

**Coupling
Systems**

Appendix
*Additional
Products*
Chemical Charts
*General
Information*
*Minimum Run
Requirements*

COUPLING SYSTEMS

INSTA-LOCK™ DUST PLUG



APPLICATION:

Dust plug is used to seal the pipe system and hose assemblies during non-use or transfer of assembly. Mating parts are the Part C, Part B, and Part D.

MATERIALS:

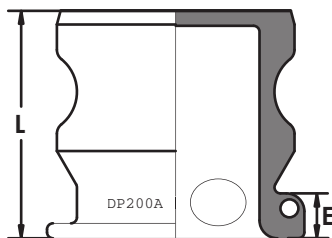
Aluminum, 316# Stainless Steel and Brass

BRANDING:

Example: Goodyear DP200SS

ORDER CODES:

650-832 (aluminum) 650-840 (brass)
650-848 (stainless steel)



SIZE	ALUMINUM	STAINLESS STEEL	BRASS
1/2	DP050AL	DP050SS	DP050BR
3/4	DP075AL	DP075SS	DP075BR
1	DP100AL	DP100SS	DP100BR
1 1/4	DP125AL	DP125SS	DP125BR
1 1/2	DP150AL	DP150SS	DP150BR
2	DP200AL	DP200SS	DP200BR
2 1/2	DP250AL	DP250SS	DP250BR
3	DP300AL	DP300SS	DP300BR
4	DP400AL	DP400SS	DP400BR
5	DP500AL	DP500SS	DP500BR
6	DP600AL	DP600SS	DP600BR

SIZE	OVERALL LENGTH (L)	EXPOSED LENGTH (E)
in.	in.	in.
1/2	1.531	0.500
3/4	1.563	0.500
1	1.843	0.469
1 1/4	2.125	0.469
1 1/2	2.156	0.469
2	2.375	0.469
2 1/2	2.437	0.469
3	2.500	0.469
4	2.559	0.469
5	2.594	0.469
6	2.781	0.469

Note: Goodyear Insta-Lock Fittings are never to be used in steam or compressed air service.

Warning: Dust Caps and Dust Plugs are not to be used in pressure applications for safety and environmental reasons.



COUPLING SYSTEMS

INSTA-LOCK™ REPAIR KITS



MATERIALS:	316# Stainless Steel and Brass
KIT INCLUDES:	1 handle, 1 finger ring, 1 pin
ORDER CODES:	605-855 (stainless steel) 605-856 (brass)
PART NUMBER SYSTEM:	First 3 digits = Size S = Stainless Steel B = Brass G = Goodyear Insta-Lock Handle M = Music Wire Ring P = Pin

SIZE	STAINLESS STEEL HANDLES	BRASS HANDLES
1/2	050SGMP	050BGMP
3/4	100SGMP	100BGMP
1	100SGMP	100BGMP
1 1/4	125SGMP	125BGMP
1 1/2	150SGMP	150BGMP
2	200SGMP	200BGMP
2 1/2	250SGMP	250BGMP
3	300SGMP	300BGMP
4	300SGMP	300BGMP
5	300SGMP	300BGMP
6	600SGMP	600BGMP

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

**Coupling
Systems**

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

**Coupling
Systems**

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

COUPLING SYSTEMS

INSTA-LOCK™ GASKETS



MATERIALS:

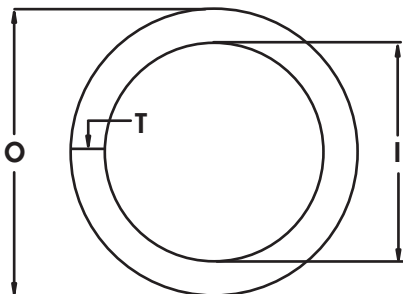
Nitrile, Viton, Teflon Encapsulated Viton, White Neoprene, Neoprene, Silicone

ORDER CODES:

650-849 (Nitrile) 650-850 (Viton®) 650-851 (Teflon®)
650-852 (White Neoprene) 650-853 (Neoprene) 650-854 (Silicone)

PART NUMBER SYSTEM:

G = Gasket
First 3 digits = Size of Gasket
Letters = Gasket Material Code



SIZE	OD (O)	ID (I)	THICKNESS (T)
1/2	1.031	0.688	0.156
3/4	1.375	0.875	0.218
1	1.563	1.062	0.250
1 1/4	1.938	1.359	0.250
1 1/2	2.188	1.625	0.250
2	2.625	2.000	0.250
2 1/2	3.125	2.375	0.250
3	3.719	3.000	0.250
4	4.875	4.000	0.250
5	5.906	4.875	0.250
6	7.063	6.000	0.250

SIZE	NITRILE	VITON	TEFLON ENCAPSULATED VITON	WHITE NEOPRENE	NEOPRENE	SILICONE
1/2	G050BN	G050VT	G050TE	G050WN	G050NE	G050SL
3/4	G075BN	G075VT	G075TE	G075WN	G075NE	G075SL
1	G100BN	G100VT	G100TE	G100WN	G100NE	G100SL
1 1/4	G125BN	G125VT	G125TE	G125WN	G125NE	G125SL
1 1/2	G150BN	G150VT	G150TE	G150WN	G150NE	G150SL
2	G200BN	G200VT	G200TE	G200WN	G200NE	G200SL
2 1/2	G250BN	G250VT	G250TE	G250WN	G250NE	G250SL
3	G300BN	G300VT	G300TE	G300WN	G300NE	G300SL
4	G400BN	G400VT	G400TE	G400WN	G400NE	G400SL
5	G500BN	G500VT	G500TE	G500WN	G500NE	G500SL
6	G600BN	G600VT	G600TE	G600WN	G600NE	G600SL

Nitrile = BN; Black

Teflon = TE; White/Black with yellow stripe

Neoprene = NE; Black with red stripe

Viton = VT; Black with yellow stripe

White Neoprene = WN; White

Silicone = SL; Red

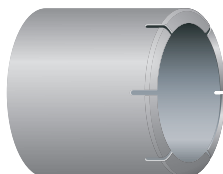
®Viton is a registered trademark of DuPont Dow Elastomers L.L.C.

®Teflon is a registered trademark of E.I. du Pont de Nemours and Company.



COUPLING SYSTEMS

INSTA-LOCK™ INTERLOCKING FERRULES



MATERIALS:

304# Stainless Steel
Plated Carbon Steel

PART NUMBER SYSTEM:

FRSS200244 or FRCS200244
FR = Ferrule; SS = Stainless Steel; CS = Plated Carbon Steel
First 3 digits = Inside Diameter of Hose
Fourth digit = Inside Diameter of Ferrule in inches.
Fifth & Sixth digits = Inside Diameter of Ferrule in 64ths of an inch.

STAINLESS STEEL			PLATED CARBON STEEL
1" FRSS100124	2" FRSS200232	3" FRSS300332	1½" FRCS150208
FRSS100128	FRSS200236	FRSS300336	FRCS150212
FRSS100132	FRSS200240	FRSS300340	FRCS150216
FRSS100136	FRSS200244	FRSS300344	
FRSS100140	FRSS200248	FRSS300348	2" FRCS200232
	FRSS200252	FRSS300352	FRCS200236
1¼" FRSS125144	FRSS200256	FRSS300356	FRCS200240
FRSS125148	FRSS200260	FRSS300360	FRCS200244
FRSS125152		FRSS300400	FRCS200248
FRSS125156	2½" FRSS250256	FRSS300404	
	FRSS250260		3" FRCS300336
1½" FRSS150156	FRSS250300	4" FRSS400436	FRCS300340
FRSS150160	FRSS250304	FRSS400440	FRCS300344
FRSS150200	FRSS250308	FRSS400444	FRCS300348
FRSS150204	FRSS250312	FRSS400448	
FRSS150208	FRSS250316	FRSS400452	4" FRCS400444
FRSS150212	FRSS250320	FRSS400456	FRCS400448
FRSS150216	FRSS250324	FRSS400460	FRCS400452
FRSS150220		FRSS400500	
		FRSS400504	

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Hydraulic

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

**Coupling
Systems**

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

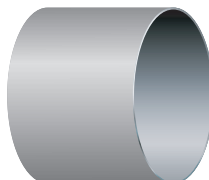
Welding

**Coupling
Systems**

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

COUPLING SYSTEMS

STAINLESS STEEL CRIMP SLEEVES FOR PALADIN® HOSES



MATERIALS:

304# Stainless Steel

PART NUMBER SYSTEM:

CSSS300402

CS = Crimp Sleeves SS = Stainless Steel

First 3 digits = Inside Diameter of Hose

Fourth digit = Inside Diameter of Sleeve in inches.

Fifth & Sixth digits = Inside Diameter of Sleeve in 64ths of an inch.

SIZE	STAINLESS STEEL
2"	CSSS200302
3"	CSSS300402
4"	CSSS400502



COUPLING SYSTEMS

PRESSURE WASHER FITTINGS

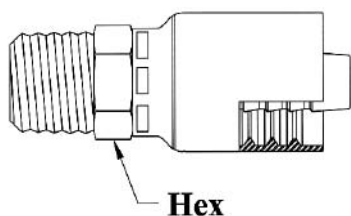


APPLICATION: 1/4" and 3/8" bite to wire pressure washer fittings. Only for use with the following Goodyear pressure washer hose specs: Fortress® 3000, Neptune™ 3000, Neptune™ 4001-R, Neptune™ 4500, Gauntlet® 3000, Gauntlet® 4500, Spectra® 3000, Galvanator 3000 and Neptune™ 6000.

MATERIALS: Steel, yellow zinc diachromate finish

BRANDING: Non-branded

NPTF MALE SOLID



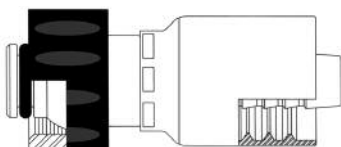
ORDER CODE	HOSE SIZE (in.)	THREAD SIZE (in.)
539-173-538-24000	1/4	1/4-18
539-173-538-22800	3/8	3/8-18

NPTF MALE SWIVEL



ORDER CODE	HOSE SIZE (in.)	THREAD SIZE (in.)
539-173-538-23600	1/4	1/4-18
539-173-538-22900	3/8	3/8-18

22mm POWER WASH



ORDER CODE	HOSE SIZE (in.)	THREAD SIZE (mm.)
539-173-538-23800	3/8	22 x 1.5

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

**Coupling
Systems**

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

APPENDIX-ADDITIONAL PRODUCTS

Additional Non-Stock Specifications

Order Code	Hose Description	Application
Air & Multipurpose		
549-406	Plicord Green EC Air	400 psi wrapped finish Green Air hose, Class B Nitrile tube, Green SBR Class C cover
549-408	Plicord Green EC Air	400 psi wrapped finish Yellow Air hose, Class B Nitrile/SBR tube, Yellow SBR Class A cover
549-153	Ortac II	200 psi air hose, Class A Nitrile static dissipating tube, Red Class B cover
549-007	Plicord Air Yellow	300 psi air hose, Class C non conductive tube, Yellow Class C cover
549-260	Plicord Rock Drill	400-500 psi air hose, Class C tube, Blue with Yellow stripe Class C cover
563-599	Ultrabraid Air	400 psi air hose, Class C tube, Class C nonconductive MSHA cover in Green or Yellow
536-600		
539-158	Ultrabraid Bull Hose	500 psi air hose, Class C tube, Yellow Class C cover
536-589	Ultrabraid HD Plus	400 psi air hose, Class A Nitrile tube
536-598		Class A Yellow or Green MSHA cover
539-156	Ultrabraid Supreme	1000 psi air hose, Class A Nitrile tube, Class A Yellow or Blue high abrasion resistant MSHA cover
539-157		
Chemical		
549-014	Brown Chem-Acid Discharge	Chemrin tube, versatile chemical discharge hose capable of handling a wide variety of industrial chemicals
546-716	Fabchem ARC	Pliosyn tube, Fabchem with a ARC (Abrasion-Resistant Cover) for a wide variety of industrial chemicals
546-011	Gray Chem-Acid Discharge	Weatherex tube, versatile chemical discharge hose capable of handling a wide variety of industrial chemicals
546-067	Gray Flexwing	Weatherex tube, versatile chemical transfer hose capable of handling a wide variety of industrial chemicals
546-064	Yellow Flexwing	Hysunite tube, versatile chemical transfer hose capable of handling a wide variety of industrial chemicals
546-010	Yellow Chem-Acid Discharge	Hysunite tube, versatile chemical discharge hose capable of handling a wide variety of industrial chemicals
Cleaning Equipment		
539-132	Neptune 2250	Pressure washer service application
539-141	Neptune 3600	Pressure washer service application
Food		
549-147	White Flextra	Lightweight, flexible hose for transferring oily and nonoily edibles under pressure on tank truck or in-plant service
549-150	White Softwall	Discharge transfer of dry or liquid foods having either oily or nonoily bases
549-150	FDA Food Washdown	FDA compliant for washdown service

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

**Appendix
Additional
Products**

Chemical Charts
General
Information
Minimum Run
Requirements



Additional Non-Stock Specifications

Order Code	Hose Description	Application
Marine		
586-454	Spiraflex Marine Bilge	PVC hose for drain, vanity, and scooper lines
586-447	Spiraflex Marine Livewell	PVC hose for head intake, discharge, and pump out service
586-439	Spiraflex Marine Sanitation FDA	PVC hose for potable water transfer
586-451	Spiraflex Marine Vacuum	PVC hose for bilge pumps or holding tank pump out service
586-444	Spiraflex Marine Vacuum FDA	PVC hose for potable water transfer
Material Handling		
549-946	Concrete Vibrator Hose	Reinforced rubber sleeve for concrete vibrator
541-262	Clam Jetting	Softwall hose for underwater jetting and collection of clams
549-859	Blast Hole Slurry/Dewatering	Hardwall hose for filling blast hole with explosive
549-337	Liquid Mud Hose	Transfer Drilling Mud
549-706	Refractory Hose, 2 Plies	Refractory hose with static dissipating tube
549-863	Gunite, 4 Plies	Sand cement gunning application with static dissipation tube
586-479	Mulchblower	PVC hose for transfer of mulch products
586-477	Barkblower	PVC heavy-duty hose for transfer of wood chips
Cust Serv	Air Seeder	PVC hose for agricultural seeding applications
Mining		
549-229	Plicord Cable Cover Hose	Non-conductive hose for cooling/protection of electrical cables
Petroleum		
532-390	LT Redwing Fuel Oil	Improved flexibility at lower temperatures
541-593	Dock Hose Nitrile FDA	Large bore hose for food products
541-193	MTBE Dock	Dock hose for the the transfer of MTBE and oil service up to 70% aromatic content
543-485	Floater Fuel Delivery (Marathon)	Softwall fuel discharge for ship to shore transfer
541-606	Smooth Bore Hot Tar & Asphalt	Hardwall hose with a smooth reinforced line for high-temp applications
541-688	Smooth Bore Molten Sulphur	Hardwall hose with a smooth reinforced liner for high-temp applications
543-142	Black Flextra II 150	Corrugated Petroleum based product transfer hose where aromatic content exceeds 50%
541-579	Plicord Rough Bore Dock	For the transfer of petroleum products between docks and ships
543-802	Plicord LW Northern Petroleum	Lighter weight petroleum based product transfer hose where aromatic content does not exceed 50%
543-102	Plicord Northern Petroleum	Petroleum-based transfer hose where aromatic content does not exceed 50%
543-509	Plicord Vapor Recovery	Recovering gasoline vapors while unloading tank trucks at service stations or loading tanks at bulk terminals
586-425	Spiraflex Vapor Recovery	PVC hose for vapor recovery
Cust Serv	Oil Rig Supply Hose	Specialized hose lines for use on offshore drilling platforms
Gasoline Dispensing		
532-388	Hardwall Dispensing - Europe	Wire braid gasoline dispensing, meets European Standard EN 1360
532-387	Textile Dispensing - Australian	Textile braid gasoline dispensing, meets Australian Standard AS 2683
532-357	Hardwall Dispensing - Australian	Wire braid gasoline dispensing, meets Australian Standard AS 2683
586-425	Spireflex Vapor Recovery	PVC hose for vapor recovery

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

**Appendix
Additional
Products**

Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Additional Non-Stock Specifications

Order Code	Hose Description	Application
		Special Application
541-219	Fish Suction	Heavy-duty hardwall hose with a abrasive liner
541-320	Furnace coolant hose	Large diameter hose for water cooling in blast furnaces
Cust Serv	Manure line hose	Delivery of manure from holding tanks to field
542-956	Radiator Hose (Standard)	Coolant hose, EPDM tube, EPDM cover, 2 plies
542-957	Radiator Hose (Heavy Duty)	Coolant hose, EPDM tube, EPDM cover, 4 plies
541-843	Plicord Paper Machine Suction Box	Flexible connection on the suction box of paper machines
541-301	Plicord Leaf Collector	For street cleaning equipment to remove debris
542-683	Plicord Roof Drain - Nitrile	Handling rainwater drainage from floating tank roof
542-901	Plicord Roof Drain - Viton	Handling rainwater drainage from floating tank roof
542-456	Plicord Tank Cleaning	High-pressure hose for the cleaning of cargo bulk storage tanks
Cust Serv	Air Seeder	PVC hose for agricultural seeding applications
586-402	PVC Fish Suction	PVC hose for transfer of fish
549-806	Irrigation pivot joint (boot)	Flexible joint for joining piping
586-476	Fire Engine Suction	PVC hose for water transfer service (clear with black helix)
536-461	Freon Charging GY5	Air-conditioning refrigeration hose (colors: blue/red/yellow)
536-303	Freon Charging All Rubber	Air-conditioning refrigeration hose (colors: blue/red/yellow)
536-486	Divers Hose High Pressure	High pressure diving hose application
536-451	Divers Hose Low Pressure	Low pressure diving hose application
541-500	Plicord Mud Pump	For use on rotary drilling rigs as a flexible connection between sump and pump
543-495	Oilfield Fracturing	Hardwall hose for oilfield applications
		Water
542-157	Plicord Contractors S&D	Water suction & discharge hose, SBR tube and cover
542-547	Jetting & Utility	High pressure water service
542-445	Potable Water 150 psi	Potable water, white natural FDA tube
542-162	Plicord Water Discharge-300 psi	General purpose water discharge hose for heavier duty applications
542-322	Plicord Water & Suction-300 psi	General purpose water S&D hose for heavier duty applications
537-512	Spiraflex 3000 (black)	PVC Layflat for wheel line irrigation service
		Military
569-536	ZZ H 500C	General shop service pneumatic hose
569-567	ZZ H 601E	General water & potable water discharge service
Cust Serv	ZZ H 601E	General water & potable water discharge service
543-811	Mil PRF 370H Type A	Fuel transfer standard collapsible
543-760	Mil PRF 370H Type B	Fuel transfer standard noncollapsible
543-552	Mil DTL-6615 Type I	Fuel transfer hose with low-temperature capability, with electrical bond
543-553	Mil DTL-6615 Type II	Fuel transfer hose with low-temperature capability, without electrical bond

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products

Chemical Charts
General
Information
Minimum Run
Requirements



Additional Non-Stock Specifications

Order Code	Hose Description	Application
		Military (continued)
Cust Serv	ZZ H 561K	Water suction & discharge hose
543-766	Mil H 22240F Type A	Lightweight fuel hose for alongside service
543-769	Mil H 22240F Type C	Lightweight fuel/water discharge hose for alongside service
Cust Serv	Mil PRF 11588G	Fuel discharge hose style ST only
Cust Serv	Mil H 82127 Type A	Fuel discharge hose for Aviation gasoline, diesel, and automotive fuels
549-749	Mil H 24136/4	Sound attenuation hose
547-855	Mil H 8788C	For use in hydraulic systems
536-341	Mil H 24580SH	Onboard ship firefighting hose

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products

Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

APPENDIX-CHEMICAL CHARTS

GOODYEAR CHEMICAL RESISTANCE CHARTS

RATINGS AND DEFINITIONS

The Goodyear Chemical Resistance Chart is to be used as a guide only.

- A** The chemical is expected to have minor or no effect on the product. Product may be used for continuous service. Changes in working conditions, such as concentration of the chemical or temperature, may affect product performance and cause degradation of the product.
- B** The product may be used for continuous or intermittent service, however the product properties will be affected by the exposure to the chemical. Changes in working conditions, such as concentration of the chemical or temperature, may affect product performance and cause degradation of the product.
- X** The product should not be used with this chemical.
- I** Insufficient or no data available for this chemical. Further testing is recommended to determine compatibility of the chemical with the product.

Caution:

Unless otherwise specified, the ratings applied to tube stocks are based on fully concentrated or saturated solutions at 100°F under normal service conditions.

NOTE:

Hose ratings are for the effect on the polymer only. The degree of resistance of a rubber compound to a specific chemical depends on many variables such as temperature, concentration, length of exposure, stability of chemical, etc. For a specific compound, many grades of polymers are available which can alter the compound's chemical resistance.

WHEN IN DOUBT, before using a specific product, contact your local Goodyear Sales Representative for assistance if unusual service conditions or high temperatures are present in the product application.

THIS CHEMICAL RESISTANCE CHART SUPERSEDES ALL PREVIOUSLY PUBLISHED INFORMATION REGARDING GOODYEAR CHEMICAL HOSE RESISTANCE RATINGS.

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products

Chemical Charts
General
Information
Minimum Run
Requirements



APPENDIX-CHEMICAL CHARTS

<i>Common Name & Description</i>	<i>Goodyear Trademark</i>	<i>Goodyear Product Examples with polymer in the tube</i>
UHMWPE (Ultra High Molecular Weight Polyethylene)	Pliosyn™	Fabchem™
Butyl (Isobutylene and Isoprene)	Weatherex™	Gray Flexwing®
Hypalon® (Chlorosulfonated Polyethylene)	Hysunite™	Yellow Flexwing®
NR - Natural Rubber (Isoprene, natural)	Pureten™	Tan Flexwing®
Viton®	Flosyn™	Orange Flexwing®
Nitrile		Flexwing® Petroleum
CPE (Chlorinated Polyethylene)	Chemrin®	Brown Flexwing®
EPDM (Ethylene Propylene Diene)	Versigard®	Purple Flexwing®
Cross-Link Polyethylene (XLPE)	Speclar™	Blue Flexwing®, Green XLPE
Alphasyn® (Modified Cross-Link Polyethylene)	Alphasyn®	Viper®
Teflon®		Hi-Per®
316 Stainless Steel		Insta-Lock™
Aluminum		Insta-Lock™
Brass		Insta-Lock™

Caution: This chart and the following chemical resistance charts are intended to reflect the various tube compounds as they pertain to Goodyear petroleum and chemical hose. Always use a Goodyear petroleum or chemical hose when the hose is to be used for conveyance of petroleum or chemicals. Consult the following pages for chemical compatability of the various tube stocks.

©Hypalon is a registered trademark of DuPont Dow Elastomers L.L.C.
 ©Viton is a registered trademark of DuPont Dow Elastomers L.L.C.
 ©Teflon is a registed trademark of E.I. du Pont de Nemours and Company.

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix

*Additional
Products*

Chemical Charts

*General
Information*

*Minimum Run
Requirements*

This chemical chart is offered as a guide only. There are many variables to be considered with each application. Ratings are for tube polymer only! For explanation of ratings see page 240. Contact Goodyear for chemicals or polymers not listed at 800-235-4632.

RATING SCALE	GASKET
A = May be used for Continuous Service	T = Teflon®
B = May be used for Intermittent Service	V = Viton®
X = Do not Use	B = Nitrile
I = Insufficient Data, contact Goodyear	N = Neoprene
	S = Silicone

There are approximately 32.

Temperature (°F)	GOODYEAR CHEMICAL HOSE												GOODYEAR FITTING			
	Fabchem™	Gray Flexwing®	Yellow Flexwing	Tan Flexwing	Orange Flexwing	Flexwing Petroleum	Brown Flexwing	Purple Flexwing	Green XLPE	Blue Flexwing	Viper®	HI-PER®	Insta-Lock™	Insta-Lock	Insta-Lock	Insta-Lock
	UHMWPE	Butyl	Hypalon®	NR	Viton®	Nitrile	CPE	EPDM	XLPE	Alphasyn™	Teflon®	316 SS	Aluminum	Brass	Gasket	
	HOSE TUBE POLYMER												METAL			

A																
Acetaldehyde	100	B	B	X	X	X	X	I	A	A	A	A	A	B	X	TS
Acetic Acid, Conc.	100	A	A	X	B	X	X	A	A	A	A	A	A	B	X	T
Acetic Acid, Dilute 10	150	B	A	X	A	X	X	A	A	A	A	A	A	I	X	TVN
Acetic Acid, Glacial	100	A	B	X	X	X	X	A	A	A	A	A	A	B	X	TS
Acetic Aldehyde	100	A	B	X	X	X	X	I	A	A	A	A	A	B	X	T
Acetic Anhydride	100	B	A	B	X	X	X	A	A	A	A	A	A	B	X	TS
Acetic Ester	100	B	B	X	X	X	X	B	A	A	A	A	A	A	A	TV
Acetic Ether	100	B	B	X	X	X	X	B	A	A	A	A	A	A	A	T
Acetic Oxide	100	B	A	B	X	X	X	A	A	A	A	A	A	B	X	T
Acetone	100	A	A	X	B	X	X	A	A	A	A	A	A	A	I	T
Acetone Cyanohydrin	100	B	A	X	X	X	X	A	A	A	A	A	I	I	I	TS
Acetyl Acetone	100	B	B	X	X	X	X	B	I	A	A	A	I	B	I	T
Acetyl Chloride	100	B	X	X	X	B	X	A	B	B	A	A	B	X	A	TV
Acetyl Oxide	100	B	A	B	X	X	X	A	A	A	A	A	A	B	X	T
Acetylene (dry)	100	A	A	A	A	A	A	A	A	A	X	A	A	I	I	TVBNS
Acetylene Dichloride	100	B	X	X	X	A	X	I	I	A	X	A	I	A	X	TV
Acetylene Tetrachloride	100	B	X	X	X	A	X	I	I	A	I	A	A	X	X	TV
Acrolein	100	B	A	B	B	A	B	I	I	A	A	A	I	I	I	TV
Acrylic Acid	100	B	X	X	X	A	X	X	X	A	A	A	A	I	I	TV
Acrylonitrile	100	B	X	X	X	X	X	A	X	B	A	A	A	X	I	T
Alk-Tri	100	I	X	X	X	A	X	I	I	A	I	A	A	I	I	TV
Allyl Alcohol	100	A	A	A	A	B	A	A	A	A	A	A	A	I	A	TBN
Allyl Bromide	100	B	X	X	X	B	X	B	I	B	I	A	I	I	I	T
Allyl Chloride	100	B	X	X	X	B	X	B	X	B	I	A	A	X	X	TS
Alum	150	A	A	A	A	A	A	A	A	A	A	A	A	I	X	TVBNS
Aluminum Acetate	100	A	A	A	X	X	X	A	A	A	A	A	A	I	X	T
Aluminum Chloride	150	A	A	A	A	A	A	A	A	A	A	A	I	I	X	TVB
Aluminum Formate	100	A	B	X	X	X	X	I	I	A	A	A	I	I	I	T
Aluminum Hydroxide	150	A	A	B	A	X	B	A	A	A	A	A	A	I	X	TS
Aluminum Sulfate	150	A	A	A	A	A	A	A	A	A	A	A	A	X	X	TVBNS
Aminoethanol	100	A	A	B	B	I	B	A	I	A	A	A	A	B	I	TBN
Aminoethylethanolamine	100	A	A	B	B	I	B	A	I	A	A	A	I	I	I	T
Ammonia	---	NO HOSE RECOMMENDED FOR THIS APPLICATION														
Ammonia Cupric Sulfate	150	A	A	A	X	A	A	A	A	A	A	A	I	I	I	TVB
Ammonium Chloride	150	A	A	A	A	A	A	A	A	A	A	A	A	X	X	TVBN
Ammonium Hydroxide	150	A	A	B	A	X	X	A	X	A	A	A	A	X	I	TNS
Ammonium Nitrate (ANFO)	150	SPECIAL HOSE REQUIRED											A	B	X	TVBS
Ammonium Phosphate	150	A	A	A	A	A	A	A	A	A	A	A	A	X	X	TVBNS
Ammonium Sulfate	150	A	A	A	A	A	X	A	A	A	A	A	A	X	X	TVNS
Ammonium Sulfide	150	A	A	A	A	A	X	A	A	A	A	A	A	X	X	TVN



This chemical chart is offered as a guide only. There are many variables to be considered with each application. Ratings are for tube polymer only! For explanation of ratings see page 240. Contact Goodyear for chemicals or polymers not listed at 800-235-4632.

RATING SCALE	GASKET
A = May be used for Continuous Service	T = Teflon®
B = May be used for Intermittent Service	V = Viton®
X = Do not Use	B = Nitrile
I = Insufficient Data, contact Goodyear	N = Neoprene
	S = Silicone

Temperature (°F)	GOODYEAR CHEMICAL HOSE											GOODYEAR FITTING			
	Fabchem™	Gray Flexwing®	Yellow Flexwing	Tan Flexwing	Orange Flexwing	Flexwing Petroleum	Brown Flexwing	Purple Flexwing	Green XLPE	Blue Flexwing	Viper®	HI-PER®	Insta-Lock™	Insta-Lock™	Insta-Lock™
	UHMWPE	Butyl	Hypalon®	NR	Viton®	Nitrile	CPE	EPDM	XLPE	Alphasyn™	Teflon®	316 SS	Aluminum	Brass	Gasket
	HOSE TUBE POLYMER											METAL			

Ammonium Sulfite	150	A	A	A	A	A	A	A	A	A	A	A	X	I	TVBN
Ammonium Thiosulfate	100	A	A	A	A	A	A	A	A	A	A	A	B	X	TVBN
Amyl Acetate	100	A	A	B	X	X	X	B	A	A	A	A	A	I	T
Amyl Alcohol	100	A	A	A	A	B	A	A	A	A	A	A	I	A	TBNS
Amyl Chloride	100	A	X	X	X	A	X	X	A	B	A	A	X	I	TV
Amyl Oleate	100	A	X	X	X	I	B	I	I	A	I	A	I	I	T
Amyl Phenol	100	A	X	X	X	A	X	I	I	A	I	A	I	I	TV
Amyl Phthalate	100	A	A	X	X	X	X	I	I	A	I	A	I	I	T
Amylamine	100	A	B	X	X	X	X	B	X	A	I	A	I	I	T
Anethole	100	X	X	X	X	B	X	X	I	X	I	A	I	I	T
Anhydrous Ammonia	---	NO HOSE RECOMMENDED FOR THIS APPLICATION													
Aniline	100	A	A	X	X	A	X	B	A	A	A	A	B	X	TV
Animal Grease	100	A	X	X	X	A	A	B	X	A	A	A	A	I	TVB
Animal Oils	100	A	B	X	X	A	A	A	X	A	B	A	A	I	TVB
Antimony Pentachloride	100	A	X	X	X	I	X	I	X	B	B	A	I	I	T
Aqua Ammonia	150	A	A	B	A	A	B	B	B	A	A	A	A	X	TV
Aromatic Spirits	100	A	X	X	X	A	X	I	X	A	I	A	A	I	TV
Aromatic Tar	100	A	X	X	X	A	X	B	X	A	I	A	I	I	TV
Arquads	100	A	A	A	A	A	A	A	A	A	A	A	I	I	TVB
Arsenic Acid	100	A	A	A	A	I	X	A	A	A	A	A	A	X	TVS
Arsenic Chloride	100	I	X	X	X	X	X	X	X	X	X	A	I	I	TN
Arsenic Trichloride	100	I	X	X	X	X	X	X	X	X	X	A	X	I	TN
Asphalt	500	SPECIAL HOSE REQUIRED													
ASTM #1 Oil	100	A	X	B	X	A	A	A	X	A	A	A	A	I	TVBNS
ASTM #2 Oil	100	A	X	X	X	A	A	A	X	A	A	A	A	A	TVB
ASTM #3 Oil	100	A	X	X	X	A	A	A	X	A	A	A	A	A	TVB
B															
Barium Carbonate	150	A	A	A	A	A	A	A	A	A	A	A	X	I	TVBN
Barium Chloride	150	A	A	A	A	A	A	A	A	A	A	A	X	I	TVBN
Barium Hydroxide	150	A	A	A	A	B	A	A	A	A	A	A	X	X	TBNS
Barium Sulfate	150	A	A	A	A	A	A	A	A	A	A	A	B	A	TVBS
Barium Sulfide	150	A	A	A	A	A	A	A	A	A	A	A	X	X	TVBS
Benzal Chloride	100	A	B	I	I	I	X	X	I	A	I	A	B	X	T
Benzaldehyde	100	A	B	X	X	X	X	X	B	A	B	A	A	B	T
Benzene (Benzol)	100	A	X	X	X	A	X	X	X	B	B	A	A	A	TV
Benzine (Ligroin)	100	A	X	X	X	A	A	I	X	A	B	A	A	A	TVB
Benzine Solvent (Ligroin)	100	A	X	X	X	A	A	I	X	A	I	A	A	A	TVBS
Benzoic Acid	100	A	B	B	X	I	I	A	B	A	A	A	B	B	TVN
Benzoic Aldehyde	100	A	B	X	X	X	X	X	B	A	I	A	A	I	T
Benzotrichloride	100	X	I	I	I	I	X	X	X	X	X	A	I	I	T
Benzoyl Chloride	100	X	I	I	I	I	X	X	X	B	X	A	B	I	T

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water Discharge
Suction & Discharge
Washdown

Welding

Coupling Systems

Appendix
Additional Products
Chemical Charts
General Information
Minimum Run Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products

Chemical Charts
General
Information
Minimum Run
Requirements

This chemical chart is offered as a guide only. There are many variables to be considered with each application. Ratings are for tube polymer only! For explanation of ratings see page 240. Contact Goodyear for chemicals or polymers not listed at 800-235-4632.

RATING SCALE	GASKET
A = May be used for Continuous Service	T = Teflon®
B = May be used for Intermittent Service	V = Viton®
X = Do not Use	B = Nitrile
I = Insufficient Data, contact Goodyear	N = Neoprene
	S = Silicone

Temperature (°F)	GOODYEAR CHEMICAL HOSE												GOODYEAR FITTING			
	UHMWPE	Butyl	Hypalon®	NR	Viton®	Nitrile	CPE	EPDM	XLPE	Alphasyn™	Teflon®	316 SS	Aluminum	Brass	Gasket	
	Fabchem™	Gray Flexwing®	Yellow Flexwing	Tan Flexwing	Orange Flexwing	Flexwing Petroleum	Brown Flexwing	Purple Flexwing	Green XLPE	Blue Flexwing	Viper®	Hi-PER®	Insta-Lock™	Insta-Lock	Insta-Lock	
	HOSE TUBE POLYMER												METAL			

This chemical chart is offered as a guide only. There are many variables to be considered with each application. Ratings are for tube polymer only! For explanation of ratings see page 240. Contact Goodyear for chemicals or polymers not listed at 800-235-4632.

RATING SCALE	GASKET
A = May be used for Continuous Service	T = Teflon®
B = May be used for Intermittent Service	V = Viton®
X = Do not Use	B = Nitrile
I = Insufficient Data, contact Goodyear	N = Neoprene
	S = Silicone

Temperature (°F)	GOODYEAR CHEMICAL HOSE												GOODYEAR FITTING			
	UHMWPE	Butyl	Hypalon®	NR	Viton®	Nitrile	CPE	EPDM	XLPE	Alphasyn™	Teflon®	316 SS	Aluminum	Brass	Gasket	
		Fabchem™	Gray Flexwing®	Yellow Flexwing	Tan Flexwing	Orange Flexwing	Flexwing Petroleum	Brown Flexwing	Purple Flexwing	Green XLPE	Blue Flexwing	Viper®	HI-PER®	Insta-Lock™	Insta-Lock	Insta-Lock
	HOSE TUBE POLYMER												METAL			

Calcium Acetate	100	A	A	A	X	X	X	A	A	A	A	A	I	I	I	T B
Calcium Aluminate	100	A	A	A	A	A	A	A	A	A	A	A	I	I	I	T V B
Calcium Bichromate	150	X	A	X	I	I	I	I	I	X	I	A	I	I	I	T
Calcium Bisulfate	150	A	A	A	A	A	A	A	A	A	A	A	A	X	X	TVBN
Calcium Bisulfite	150	A	A	A	A	A	A	A	A	I	A	A	A	X	X	TVBNS
Calcium Carbonate	150	A	A	A	A	A	A	A	A	A	A	A	A	I	X	TVBNS
Calcium Chloride	150	A	A	A	A	A	A	A	A	A	A	A	B	X	X	TVBNS
Calcium Hydroxide (Caustic Lime)	100	A	A	B	A	X	B	A	A	A	A	A	A	X	X	TNS
Calcium Hypochlorite	100	B	B	X	X	B	X	A	B	X	A	A	A	X	X	TV
Calcium Nitrate	150	A	A	A	A	A	A	A	A	A	A	A	B	X	X	TVBN
Calcium Silicate	150	A	A	A	A	A	A	A	A	A	A	A	I	A	I	TVBN
Calcium Sulfate	150	A	A	A	A	A	A	A	A	A	A	A	A	I	I	TVBS
Calcium Sulfhydrate	100	A	A	A	A	A	A	A	A	A	A	A	I	I	I	TVB
Calcium Sulfide	150	A	A	A	A	A	A	A	A	A	A	A	A	X	X	TVBN
Calcium Sulfite	150	A	A	A	X	A	A	A	A	A	A	A	B	B	X	TVBNS
Caprylic Acid	100	A	X	B	X	I	X	A	I	A	A	A	B	I	X	T
Carbitol	100	A	A	A	X	I	X	A	A	A	A	A	B	A	X	T
Carbitol Acetate	100	A	B	B	X	I	X	I	I	A	A	A	I	I	I	T
Carbolic Acid, Phenol	100	A	A	X	X	A	X	A	X	A	B	A	A	B	A	TV
Carbon Dioxide	100	A	A	A	A	A	A	A	A	A	A	A	A	B	I	TVBNS
Carbon Disulfide	---	NO HOSE RECOMMENDED FOR THIS APPLICATION														
Carbon Tetrachloride	100	B	X	X	X	A	X	X	X	A	B	A	A	I	I	TV
Carbonic Acid	100	A	A	A	A	A	A	A	A	A	A	A	A	B	B	TVBS
Casinghead Gasoline	100	B	X	X	X	A	A	B	X	B	B	A	I	I	I	TVB
Caster Oil (Castor Oil)	100	A	A	A	X	A	A	A	A	A	A	A	A	A	I	TVBS
Caustic Potash	150	A	A	B	A	X	B	A	B	A	A	A	A	X	X	T
Caustic Soda	150	A	A	B	A	X	B	A	A	A	A	A	A	X	X	TNS
Cellosize	100	A	A	X	X	I	X	I	I	A	A	A	I	I	I	T
Cellosolve	100	A	A	A	X	X	X	I	A	A	A	A	A	A	X	T
Cellosolve Acetate	100	A	B	B	X	X	X	X	B	A	A	A	A	I	X	T
Chloracetic Acid	100	A	X	X	B	X	X	A	X	A	A	A	A	X	X	T
Chlorinated Solvents	100	B	X	X	X	A	X	B	X	A	I	A	B	X	A	TV
Chlorine (Dry) (Gas)	---	NO HOSE RECOMMENDED FOR THIS APPLICATION														
Chlorine (Wet)	100	X	X	X	X	B	X	X	X	X	X	A	X	X	X	TV
Chloroacetone	100	A	I	X	X	X	X	X	X	A	I	A	A	X	X	T
Chlorobenzene	100	B	X	X	X	A	X	X	X	A	B	A	A	B	I	TV
Chlorobenzol	100	A	X	X	X	A	X	I	X	A	B	A	A	B	I	TV
Chlorobutane	100	X	X	X	X	A	X	X	I	X	I	A	I	I	I	TV
Chloroethylbenzene	100	A	X	X	X	A	X	I	X	A	I	A	I	I	I	TV
Chloroform	100	B	X	X	X	B	X	X	X	X	B	A	A	B	I	TV
Chloropentane	100	A	X	X	X	A	X	X	X	A	I	A	A	X	I	TV

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock Transfer

Spray

Steam

Vacuum

Water Discharge
Suction & Discharge
Washdown

Welding

Coupling Systems

Appendix
Additional Products
Chemical Charts
General Information
Minimum Run Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products

Chemical Charts
General
Information
Minimum Run
Requirements

This chemical chart is offered as a guide only. There are many variables to be considered with each application. Ratings are for tube polymer only! For explanation of ratings see page 240. Contact Goodyear for chemicals or polymers not listed at 800-235-4632.

RATING SCALE	GASKET
A = May be used for Continuous Service	T = Teflon®
B = May be used for Intermittent Service	V = Viton®
X = Do not Use	B = Nitrile
I = Insufficient Data, contact Goodyear	N = Neoprene
	S = Silicone

Temperature (°F)	GOODYEAR CHEMICAL HOSE												GOODYEAR FITTING			
	UHMWPE	Butyl	Hypalon®	NR	Viton®	Nitrile	CPE	EPDM	XLPE	Alphasyn™	Teflon®	316 SS	Aluminum	Brass	Gasket	
	Fabchem™	Gray Flexwing®	Yellow Flexwing	Tan Flexwing	Orange Flexwing	Flexwing Petroleum	Brown Flexwing	Purple Flexwing	Green XLPE	Blue Flexwing	Viper®	Hi-PER®	Insta-Lock™	Insta-Lock	Insta-Lock	
	HOSE TUBE POLYMER												METAL			

This chemical chart is offered as a guide only. There are many variables to be considered with each application. Ratings are for tube polymer only! For explanation of ratings see page 240. Contact Goodyear for chemicals or polymers not listed at 800-235-4632.

RATING SCALE	GASKET
A = May be used for Continuous Service	T = Teflon®
B = May be used for Intermittent Service	V = Viton®
X = Do not Use	B = Nitrile
I = Insufficient Data, contact Goodyear	N = Neoprene
	S = Silicone

There are approximately 32.

Temperature (°F)	GOODYEAR CHEMICAL HOSE												GOODYEAR FITTING			
	UHMWPE	Butyl	Hypalon®	NR	Viton®	Nitrile	CPE	EPDM	XLPE	Alphasyn™	Teflon®	316 SS	Aluminum	Brass	Gasket	
		Fabchem™	Gray Flexwing®	Yellow Flexwing	Tan Flexwing	Orange Flexwing	Flexwing Petroleum	Brown Flexwing	Purple Flexwing	Green XLPE	Blue Flexwing	Viper®	Hi-PER®	Insta-Lock™	Insta-Lock	Insta-Lock
	HOSE TUBE POLYMER												METAL			

Decyl Aldehyde	100	A	X	X	X	X	X	I	I	A	B	A	I	I	I	T
Decyl Butyl Phthalate	100	A	A	X	X	X	X	I	I	A	I	A	I	I	I	T
Denatured Alcohol	100	A	A	A	A	B	A	A	A	A	A	A	A	B	A	TB
Diacetone Alcohol	100	A	A	B	B	X	X	A	X	A	A	A	A	I	I	T
Diamyl Phenol	100	A	X	X	X	A	X	A	X	A	I	A	I	I	I	TV
Diamylamine	100	A	A	X	B	I	B	A	I	A	B	A	I	I	I	TB
Diamylene	100	A	X	X	X	A	X	B	X	A	B	A	I	I	I	TV
Dibenzyl Ether	100	A	B	X	X	I	X	X	X	A	B	A	A	A	X	T
Dibromobenzene	100	B	X	X	X	A	X	I	X	A	I	A	I	I	I	TV
Dibutyl Amine	100	A	X	X	B	X	B	A	X	A	A	A	I	I	I	T
Dibutyl Ether	100	A	X	B	X	X	X	A	X	A	A	A	A	A	X	T
Dibutyl Phthalate	100	A	A	X	X	X	X	X	A	A	A	A	A	A	I	TV
Dibutyl Sebacate	100	A	A	X	X	X	X	B	X	A	I	A	I	I	I	TVS
Dicalcium Phosphate	100	A	A	A	A	A	A	A	A	A	A	A	I	I	I	TVB
Dicamba	100	A	I	I	I	I	I	I	A	A	I	A	I	I	I	T
Dichloroacetic Acid	100	A	X	X	B	X	X	B	I	A	I	A	I	I	I	T
Dichlorobenzene	100	A	X	X	X	A	X	X	X	A	B	A	A	B	I	TV
Dichlorobutane	100	A	X	X	X	A	X	X	X	A	I	A	I	I	I	TV
Dichlorodifluoromethane	100	I	X	X	X	B	B	I	X	I	X	A	I	I	I	TVB
Dichloroethane	100	A	X	X	X	A	X	X	X	A	A	A	I	A	I	TV
Dichloroethyl Ether	100	A	X	X	X	I	X	B	X	A	B	A	I	I	I	T
Dichloroethylene	100	X	X	X	X	A	X	I	I	X	X	A	I	A	X	TV
Dichlorohexane	100	A	X	X	X	A	X	X	X	A	A	A	I	I	I	TV
Dichloropentane	100	A	X	X	X	A	X	X	X	A	B	A	I	I	I	TV
Dichloropropane	100	A	X	X	X	A	X	X	X	B	I	A	A	X	I	TV
Diesel Oil	150	A	X	X	X	A	A	A	X	A	B	A	A	A	I	TVB
Diethanol Amine	100	A	A	X	B	I	B	A	I	A	A	A	A	I	I	T
Diethyl Benzene	100	A	X	X	X	A	X	X	X	A	B	A	I	I	I	TV
Diethyl Carbinol	100	A	A	A	A	B	A	I	I	A	A	A	I	I	I	TBN
Diethyl Ketone	100	A	B	X	X	X	X	X	X	A	B	A	I	I	I	T
Diethyl Oxalate	100	A	B	X	B	I	X	A	X	A	B	A	I	I	I	T
Diethyl Phthalate	100	A	A	X	X	X	X	B	X	A	B	A	I	I	I	T
Diethyl Sebacate	100	A	A	X	X	X	X	B	X	A	B	A	A	A	I	T
Diethyl Sulfate	100	A	B	X	X	X	X	A	I	A	A	A	X	I	I	TNS
Diethyl Triamine	100	A	A	X	B	I	B	A	I	A	A	A	I	I	I	TB
Diethylamine	100	A	A	X	B	I	B	B	B	A	B	A	A	I	X	TB
Diethylene Dioxide	100	A	B	X	X	X	X	B	A	A	A	A	X	X	X	T
Diethylene Glycol	100	A	A	A	A	A	A	X	A	A	A	A	A	B	A	TVBN
Diethylene Triamine	100	A	A	X	B	I	B	A	I	A	A	A	I	I	X	T
Dihydroxydiethyl Ether	100	A	A	A	A	A	A	A	A	A	A	A	I	I	I	TVBN

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock Transfer

Spray

Steam

Vacuum

Water Discharge
Suction & Discharge
Washdown

Welding

Coupling Systems

Appendix
Additional Products
Chemical Charts
General Information
Minimum Run Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix

Additional
Products

Chemical Charts

General
Information

Minimum Run
Requirements

This chemical chart is offered as a guide only. There are many variables to be considered with each application. Ratings are for tube polymer only! For explanation of ratings see page 240. Contact Goodyear for chemicals or polymers not listed at 800-235-4632.

RATING SCALE	GASKET
A = May be used for Continuous Service	T = Teflon®
B = May be used for Intermittent Service	V = Viton®
X = Do not Use	B = Nitrile
I = Insufficient Data, contact Goodyear	N = Neoprene
	S = Silicone

There are approximately 32.

Temperature (°F)	GOODYEAR CHEMICAL HOSE												GOODYEAR FITTING			
	HOSE TUBE POLYMER												METAL			
	UHMWPE	Fabchem™	Gray Flexwing®	Yellow Flexwing	Tan Flexwing	Orange Flexwing	Flexwing Petroleum	Brown Flexwing	Purple Flexwing	Green XLPE	Blue Flexwing	Viper®	Hi-PER®	Insta-Lock™	Insta-Lock	Insta-Lock
	Butyl															
	Hypalon®															
	NR															
	Viton®															
	Nitrile															
	CPE															
	EPDM															
XLPE																
Alphasyn™																
Teflon®																
316 SS																
Aluminum																
Brass																
Gasket																

Dihydroxyethyl Amine	100	A	A	X	B	I	B	A	I	A	A	A	I	I	I	T B
Diisobutyl Ketone	100	A	B	X	X	X	X	I	B	A	B	A	I	I	I	T
Diisobutylene	100	A	X	X	X	A	A	X	X	A	B	A	A	I	I	T V B
Diisooctyl Adipate	100	A	A	X	X	X	X	I	I	A	I	A	I	I	I	T
Diisooctyl Phthalate	100	A	A	X	X	X	X	I	I	A	I	A	I	I	I	T
Diisocyanate	100	X	X	X	X	X	X	X	X	X	B	A	I	I	I	T
Diisodecyl Adipate	100	A	A	X	X	X	X	I	I	A	I	A	I	I	I	T
Diisodecyl Phthalate	100	A	A	X	X	X	X	I	I	A	I	A	I	I	I	T
Diisopropanol Amine	100	A	A	X	B	I	B	I	I	A	B	A	I	I	I	T B
Diisopropyl Amine	100	A	A	X	B	I	B	I	I	A	B	A	I	I	I	T B
Diisopropyl Ether	100	A	X	B	X	I	B	I	X	A	B	A	A	I	I	T B
Diisopropyl Ketone	100	A	B	X	X	X	X	I	B	A	B	A	A	A	I	T
Dilauryl Ether	100	A	I	B	X	I	B	I	I	A	B	A	I	I	I	T B
Dimethyl Amine	---	NO HOSE RECOMMENDED FOR THIS APPLICATION														
Dimethyl Benzene	100	A	X	X	X	A	X	X	X	A	B	A	A	I	I	T V
Dimethyl Ether	100	A	X	B	X	I	B	I	X	B	B	A	I	I	I	T B
Dimethyl Ketone	100	A	A	X	B	X	X	A	A	B	A	A	A	A	I	T
Dimethyl Phenol	100	A	X	X	X	A	X	I	X	A	A	A	I	I	I	T V
Dimethyl Phthalate	100	A	A	X	X	X	X	A	B	A	A	A	A	I	I	T V
Dimethyl Sulfate	100	A	B	X	X	X	X	A	I	A	A	A	I	I	I	T
Dimethyl Sulfide	---	NO HOSE RECOMMENDED FOR THIS APPLICATION														
Dimethyl Carbinol	100	A	A	A	A	B	A	A	A	A	A	A	A	I	I	T B N S
Dinitrobenzene	100	A	X	X	X	A	X	I	I	A	B	A	I	I	I	T V
Dioctyl Adipate	100	A	A	X	X	X	X	X	B	A	I	A	I	I	I	T
Dioctyl Amine	100	A	A	X	B	I	B	I	I	A	B	A	I	I	I	T
Dioctyl Phthalate	100	A	B	X	X	A	X	X	X	A	A	A	A	I	I	T V
Dioctyl Sebacate	100	A	A	X	X	X	X	X	B	A	I	A	I	I	I	T V
Dioxane	100	A	B	X	X	X	X	B	X	A	A	A	A	I	I	T
Dioxolane	100	A	X	X	X	I	X	B	X	A	B	A	I	I	I	T
Diphenyl Phthalate	100	A	A	X	X	X	X	I	I	A	A	A	I	I	I	T
Dipropyl Ketone	100	A	B	X	X	X	X	X	I	A	A	A	I	I	I	T
Dipropylamine	100	A	A	X	B	I	B	B	I	A	A	A	I	I	I	T
Dipropylene Glycol	100	A	A	A	A	A	A	A	I	A	A	A	I	I	I	T V B
Disodium Phosphate	100	A	A	A	A	I	A	A	I	A	A	A	A	I	B	T B
Divinyl Benzene	100	A	X	X	X	A	X	X	X	A	B	A	I	I	I	T V
Dodecyl Benzene	100	A	X	X	X	A	X	I	X	A	B	A	I	I	I	T V
Dodecyl Toluene	100	A	X	X	X	A	X	I	X	A	B	A	I	I	I	T V
Dow-Per	100	A	X	X	X	A	X	I	X	A	B	A	I	I	I	T V
Dowtherm® A	100	A	I	X	X	A	X	X	X	A	A	A	I	A	I	T V
Dowtherm® E	100	A	X	X	X	A	X	X	X	A	A	I	I	X	I	V
Dowtherm® SR-1	100	A	A	A	A	A	A	I	I	A	A	A	I	I	I	T V B

©Dowtherm is a registered trademark of The Dow Chemical Company.



This chemical chart is offered as a guide only. There are many variables to be considered with each application. Ratings are for tube polymer only! For explanation of ratings see page 240. Contact Goodyear for chemicals or polymers not listed at 800-235-4632.

RATING SCALE	GASKET
A = May be used for Continuous Service	T = Teflon®
B = May be used for Intermittent Service	V = Viton®
X = Do not Use	B = Nitrile
I = Insufficient Data, contact Goodyear	N = Neoprene
	S = Silicone

Temperature (°F)	GOODYEAR CHEMICAL HOSE												GOODYEAR FITTING			
	Fabchem™	Gray Flexwing	Yellow Flexwing	Tan Flexwing	Orange Flexwing	Flexwing Petroleum	Brown Flexwing	Purple Flexwing	Green XLPE	Blue Flexwing	Viper	HI-PER	Insta-Lock™	Insta-Lock	Insta-Lock	Insta-Lock
	UHMWPE	Butyl	Hypalon®	NR	Viton®	Nitrile	CPE	EPDM	XLPE	Alphasyn™	Teflon®	316 SS	Aluminum	Brass	Gasket	
	HOSE TUBE POLYMER												METAL			

E																
Endolene	100	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Epichlorohydrin	---	NO HOSE RECOMMENDED FOR THIS APPLICATION														
Ethanol	100	A	A	A	A	B	A	A	A	A	A	A	A	B	A	TBN
Ethanol Amine	100	A	A	B	B	I	B	A	B	A	B	A	A	B	I	TB
Ethyl Acetate	100	A	B	X	X	X	X	B	A	A	A	A	A	A	A	T
Ethyl Acetoacetate	100	A	B	X	X	X	X	A	B	A	A	A	B	I	I	T
Ethyl Acrylate	100	A	X	X	X	X	X	B	X	B	B	A	A	A	A	T
Ethyl Alcohol	100	A	A	A	A	A	A	A	A	A	A	A	A	B	A	TVBNS
Ethyl Aldehyde	---	NO HOSE RECOMMENDED FOR THIS APPLICATION														
Ethyl Aluminum Dichloride	100	X	X	X	X	B	X	I	X	B	I	A	I	I	I	TV
Ethyl Benzene	100	A	X	X	X	A	X	X	X	A	B	A	A	A	X	TV
Ethyl Butanol	100	A	A	A	A	B	A	A	A	A	A	A	I	I	I	TB
Ethyl Butyl Acetate	100	A	A	B	X	X	X	I	I	A	B	A	I	I	I	T
Ethyl Butyl Alcohol	100	A	A	A	A	B	A	A	A	A	A	A	I	I	I	TB
Ethyl Butyl Amine	100	A	A	X	B	I	B	I	I	I	I	A	I	I	I	TB
Ethyl Butyl Ketone	100	A	B	X	X	X	X	X	I	A	A	A	I	I	I	T
Ethyl Butyraldehyde	100	A	B	X	X	X	X	X	I	A	B	A	I	I	I	T
Ethyl Chloride	---	NO HOSE RECOMMENDED FOR THIS APPLICATION														
Ethyl Dichloride	100	B	X	X	X	B	X	X	X	B	B	A	I	I	I	TV
Ethyl Ether	---	NO HOSE RECOMMENDED FOR THIS APPLICATION														
Ethyl Formate	100	A	B	X	X	X	X	A	B	A	A	A	A	I	I	TV
Ethyl Hexanol	100	A	A	A	A	B	A	A	A	A	A	A	A	I	I	TBN
Ethyl Hexoic Acid	100	A	X	B	X	I	X	I	I	A	A	A	A	I	I	T
Ethyl Hexyl Acetate	100	A	A	B	X	X	X	I	I	A	B	A	I	I	I	T
Ethyl Hexyl Alcohol	100	A	A	A	A	B	A	A	A	A	A	A	I	I	I	TBN
Ethyl Iodide	100	X	X	X	X	B	X	X	X	B	B	A	I	I	I	TV
Ethyl Isobutyl Ether	100	A	X	B	X	I	B	I	X	A	B	A	I	I	I	T
Ethyl Methyl Ketone	100	A	B	X	X	X	X	I	I	A	A	A	A	A	A	T
Ethyl Oxalate	100	A	A	X	A	I	X	A	X	A	B	A	I	I	I	TV
Ethyl Phthalate	100	A	A	X	X	X	X	B	I	A	I	A	I	I	I	T
Ethyl Propyl Ether	100	A	X	B	X	I	B	A	X	A	B	A	I	I	I	TB
Ethyl Propyl Ketone	100	A	B	X	X	X	X	I	I	A	A	A	I	I	I	T
Ethyl Silicate	100	A	A	I	X	I	A	A	I	A	A	A	A	I	I	TBN
Ethyl Sulfate	100	A	B	X	X	X	X	A	I	A	A	A	X	I	I	TBS
Ethylamine	---	NO HOSE RECOMMENDED FOR THIS APPLICATION														
Ethylene Bromide	100	X	X	X	X	B	X	I	X	B	B	A	A	X	I	TV
Ethylene Chloride	100	B	X	X	X	B	X	I	X	B	B	A	A	B	I	TV
Ethylene Diamine	100	A	A	X	B	I	B	I	B	A	I	A	A	I	I	TB
Ethylene Dibromide	100	X	X	X	X	B	X	I	X	B	B	A	A	X	I	TV
Ethylene Dichloride	100	B	X	X	X	B	X	X	X	B	A	A	A	B	I	TV

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock Transfer

Spray

Steam

Vacuum

Water Discharge
Suction & Discharge
Washdown

Welding

Coupling Systems

Appendix
Additional Products
Chemical Charts
General Information
Minimum Run Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products

Chemical Charts
General
Information
Minimum Run
Requirements

This chemical chart is offered as a guide only. There are many variables to be considered with each application. Ratings are for tube polymer only! For explanation of ratings see page 240. Contact Goodyear for chemicals or polymers not listed at 800-235-4632.

RATING SCALE	GASKET
A = May be used for Continuous Service	T = Teflon®
B = May be used for Intermittent Service	V = Viton®
X = Do not Use	B = Nitrile
I = Insufficient Data, contact Goodyear	N = Neoprene
	S = Silicone

Temperature (°F)	GOODYEAR CHEMICAL HOSE												GOODYEAR FITTING				
	<i>Fabchem™</i>	<i>Gray Flexwing®</i>	<i>Yellow Flexwing</i>	<i>Tan Flexwing</i>	<i>Orange Flexwing</i>	<i>Flexwing Petroleum</i>	<i>Brown Flexwing</i>	<i>Purple Flexwing</i>	<i>Green XLPE</i>	<i>Blue Flexwing</i>	<i>Viper®</i>		<i>HI-PER®</i>	<i>Insta-Lock™</i>	<i>Insta-Lock</i>	<i>Insta-Lock</i>	<i>Insta-Lock</i>
	UHMWPE	Butyl	Hypalon®	NR	Viton®	Nitrile	CPE	EPDM	XLPE	Alphasyn™	Teflon®	316 SS	Aluminum	Brass	Gasket		
	HOSE TUBE POLYMER												METAL				
150	A	A	A	A	A	A	A	A	A	A	A	A	A	I	I	TVBNS	
100	I	X	X	I	I	A	A	X	X	I	I	I	I	I	I	B	
100	A	X	X	X	A	X	I	I	A	B	A	I	I	I	I	T	V
150	A	A	A	A	A	A	A	A	A	A	A	I	I	I	I	TVB	
150	A	A	A	A	A	A	A	A	A	A	A	X	X	X	X	TVBNS	
150	A	A	A	A	A	A	A	A	A	A	A	A	X	X	X	TVBN	
100	A	A	A	X	X	X	I	I	A	A	A	I	I	I	I	T	
150	A	A	A	A	B	A	A	A	A	A	A	I	X	X	X	T	B
100	A	A	B	A	X	B	I	I	A	A	A	B	I	I	I	T	N
150	A	A	A	A	A	A	A	A	A	A	A	B	X	X	X	TVBN	
150	B	A	A	A	I	I	A	I	I	A	A	I	I	X	X	T	N
100	X	X	X	X	X	X	X	X	X	X	B	X	X	X	X	T	
150	B	A	A	A	I	I	A	I	I	A	A	A	X	X	X	T	N
100	A	A	A	B	B	A	A	A	A	A	A	A	B	I	I	T	B
100	A	A	A	B	A	A	A	A	A	A	A	A	B	I	I	TVB	
100	A	A	X	B	X	X	A	A	B	A	A	B	I	X	X	T	V
100	A	X	X	X	B	B	I	X	B	X	A	A	I	I	I	T	N
100	A	X	X	X	X	X	I	I	B	X	A	A	I	I	I	T	N
100	B	X	X	X	A	A	I	X	B	B	A	A	A	A	A	TVB	
100	B	X	X	X	A	A	I	X	B	B	A	I	I	I	I	TVB	
100	A	X	X	X	A	A	X	X	B	B	A	A	A	I	I	TVB	
100	A	A	I	I	X	X	A	B	A	A	A	A	A	X	T		
100	A	X	I	I	X	I	A	I	A	A	A	A	A	I	T		
100	A	B	I	A	I	I	A	B	I	B	A	B	I	I	I	T	S
100	B	X	X	X	A	A	B	X	B	B	A	A	I	I	I	TVB	
100	A	B	X	X	X	X	B	A	A	A	A	A	B	X	T		
100	A	X	B	X	I	X	A	I	A	A	A	X	X	A	T		
100	A	A	A	A	A	A	A	A	B	A	A	A	A	A	TVBNS		
100	A	I	I	I	I	I	I	A	I	I	I	I	I	I	I		
100	I	X	X	X	X	A	A	X	X	I	I	I	I	I	I	B	
100	A	X	X	X	A	A	I	X	B	A	A	A	A	A	TVB		
150	A	A	A	A	I	A	A	A	A	A	A	A	X	X	T	B	S
100	A	X	X	X	X	X	X	I	A	I	A	I	I	I	I	T	B
100	A	X	X	X	A	A	A	X	B	B	A	A	A	I	I	TVB	
100	A	X	B	X	A	X	A	I	A	A	A	I	I	I	I	T	V
100	A	X	X	X	X	X	I	X	A	B	A	A	A	I	I	T	
100	B	X	X	X	A	A	B	X	B	B	A	A	A	A	A	TVB	
100	A	A	A	A	B	A	A	A	A	A	A	A	I	I	I	T	B

This chemical chart is offered as a guide only. There are many variables to be considered with each application. Ratings are for tube polymer only! For explanation of ratings see page 240. Contact Goodyear for chemicals or polymers not listed at 800-235-4632.

RATING SCALE	GASKET
A = May be used for Continuous Service	T = Teflon®
B = May be used for Intermittent Service	V = Viton®
X = Do not Use	B = Nitrile
I = Insufficient Data, contact Goodyear	N = Neoprene
	S = Silicone

Temperature (°F)	GOODYEAR CHEMICAL HOSE												GOODYEAR FITTING			
	UHMWPE	Butyl	Hypalon®	NR	Viton®	Nitrile	CPE	EPDM	XLPE	Alphasyn™	Teflon®	316 SS	Aluminum	Brass	Gasket	
		Fabchem™	Gray Flexwing	Yellow Flexwing	Tan Flexwing	Orange Flexwing	Flexwing Petroleum	Brown Flexwing	Purple Flexwing	Green XLPE	Blue Flexwing	Viper	HI-PER	Insta-Lock™	Insta-Lock	Insta-Lock
		HOSE TUBE POLYMER												METAL		

Hexyl Methyl Ketone	100	A	B	X	X	X	X	I	I	A	A	A	I	I	I	T
Hexylamine	100	A	B	X	X	X	X	B	I	A	B	A	I	I	I	T
Hexylene	100	X	X	X	X	A	A	I	X	X	I	A	I	I	I	TVB
Hexylene Glycol	150	A	A	A	A	A	A	A	I	A	A	A	A	B	A	TVBN
Hexyl-Alcohol	100	A	A	A	A	B	A	A	X	A	A	A	A	I	I	TB
Hi-Tri	100	A	X	X	X	A	X	I	X	A	B	A	I	I	I	TV
Hydrochloric Acid -38% Conc.	125	I	A	X	B	I	X	A	B	A	A	A	X	X	X	T
Hydrobromic Acid (37%)	150	B	A	A	A	I	X	A	A	I	A	A	X	X	X	TN
Hydrochloric Acid (37%)	125	A	A	X	B	X	X	A	B	A	A	A	X	X	X	T
Hydrofluoric Acid (10%)	125	A	A	A	X	I	X	A	I	A	A	A	A	X	X	TN
Hydrofluosilicic Acid	150	B	B	A	A	I	I	A	A	I	A	A	A	X	X	T
Hydrogen Dioxide 10%	100	B	X	X	X	A	X	I	I	I	I	A	A	B	X	TV
Hydrogen Dioxide over 10%	100	B	X	X	X	I	X	I	X	I	I	A	I	I	X	T
Hydrogen Gas	100	NO HOSE RECOMMENDED FOR THIS APPLICATION														
Hydrogen Peroxide 10% to 50%	100	B	X	X	X	A	X	A	I	I	I	A	I	B	I	TVS
Hydrogen Peroxide over 50%	100	X	X	X	X	X	X	X	X	X	I	A	A	I	X	T
I																
Iodine	100	A	I	A	I	I	I	A	I	B	I	A	I	I	X	TVB
Iron Acetate	100	A	A	A	X	X	X	I	I	A	A	A	I	I	I	TNS
Iron Hydroxide	100	A	A	B	X	X	B	I	I	A	A	A	I	I	I	TN
Iron Salts	150	A	A	A	A	A	A	A	A	A	A	A	I	I	I	TVBN
Iron Sulfate	150	A	A	A	A	A	A	A	A	A	A	A	I	I	I	TVBN
Iron Sulfide	150	A	A	A	A	A	A	A	A	A	A	A	I	I	I	TVB
Isoamyl Acetate	100	A	A	B	X	X	X	I	X	A	B	A	I	I	I	T
Isoamyl Alcohol	100	A	A	A	A	B	A	A	A	A	A	A	A	I	A	TBN
Isoamyl Bromide	100	B	X	X	X	B	X	I	X	B	I	A	I	I	I	TV
Isoamyl Butyrate	100	B	X	X	X	X	X	I	I	B	B	A	I	I	I	T
Isoamyl Chloride	100	X	X	X	X	B	X	I	I	X	B	A	I	I	I	TV
Isoamyl Ether	100	A	X	B	X	I	B	I	X	A	I	A	I	I	I	T
Isoamyl Phthalate	100	A	A	X	X	X	X	I	I	A	I	A	I	I	I	T
Isobutane	---	NO HOSE RECOMMENDED FOR THIS APPLICATION														
Isobutanol	100	A	A	A	A	B	A	A	A	A	A	A	A	I	I	TBNS
Isobutyl Acetate	100	A	A	B	X	X	X	B	X	A	B	A	A	B	I	T
Isobutyl Alcohol	100	A	A	A	A	B	X	A	A	A	A	A	A	I	I	TNS
Isobutyl Aldehyde	100	A	B	X	X	X	X	B	I	A	B	A	I	I	I	T
Isobutyl Amine	100	A	B	X	X	X	X	I	I	A	B	A	I	I	I	T
Isobutyl Bromide	100	B	X	X	X	B	X	I	X	X	I	A	I	I	I	TV
Isobutyl Carbinol	100	A	A	A	A	B	A	A	A	A	A	A	A	I	A	TBN
Isobutyl Chloride	100	B	X	X	X	B	X	I	X	X	I	A	I	I	I	TV
Isobutyl Ether	100	A	X	B	X	I	X	I	X	A	I	A	I	I	I	TB
Isobutylene	100	A	X	X	X	A	X	I	X	A	B	A	I	I	I	TV

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products

Chemical Charts
General
Information
Minimum Run
Requirements

This chemical chart is offered as a guide only. There are many variables to be considered with each application. Ratings are for tube polymer only! For explanation of ratings see page 240. Contact Goodyear for chemicals or polymers not listed at 800-235-4632.

RATING SCALE	GASKET
A = May be used for Continuous Service	T = Teflon®
B = May be used for Intermittent Service	V = Viton®
X = Do not Use	B = Nitrile
I = Insufficient Data, contact Goodyear	N = Neoprene
	S = Silicone

There are approximately 32.

Temperature (°F)	GOODYEAR CHEMICAL HOSE												GOODYEAR FITTING				
	UHMWPE	Fabchem™	Gray Flexwing®	Yellow Flexwing	Tan Flexwing	Orange Flexwing	Flexwing Petroleum	Brown Flexwing	Purple Flexwing	Green XLPE	Blue Flexwing	Viper®	Hi-PER®	Insta-Lock™	Insta-Lock	Insta-Lock	Insta-Lock
	Butyl																
	Hypalon®																
	NR																
	Viton®																
	Nitrile																
	CPE																
	EPDM																
XLPE																	
Alphasyn™																	
Teflon®																	
316 SS																	
Aluminum																	
Brass																	
Gasket																	
HOSE TUBE POLYMER														METAL			

Isooctane	100	B	X	X	X	A	A	I	X	B	B	A	A	A	A	TVBS
Isopentane	---	NO HOSE RECOMMENDED FOR THIS APPLICATION														
Isophorone	100	B	A	I	I	I	X	I	A	B	B	A	B	A	I	T
Isopropanol	100	A	A	A	A	B	A	A	A	A	A	A	A	I	I	TVBS
Isopropanol Amine	100	A	A	X	B	X	B	I	I	A	B	A	I	I	I	TB
Isopropyl Acetate	100	A	A	X	X	X	X	B	X	A	A	A	A	I	I	T
Isopropyl Alcohol	100	A	A	A	A	B	A	A	A	A	A	A	A	I	I	TBNS
Isopropyl Amine	100	A	B	X	X	X	X	I	I	A	B	A	I	I	I	T
Isopropyl Benzene	100	A	X	X	X	A	X	X	X	A	B	A	I	I	I	TV
Isopropyl Chloride	---	NO HOSE RECOMMENDED FOR THIS APPLICATION														
Isopropyl Ether	100	A	X	B	X	I	X	I	X	A	B	A	A	I	I	TB
Isopropyl Toluene	100	A	X	X	X	A	X	I	X	A	I	A	I	I	I	TV
J																
Jet Fuels	---	SPECIAL HOSE REQUIRED											A	A	A	TVB
K																
Kerosene	100	A	X	X	X	A	A	A	X	A	A	A	A	A	I	TVB
L																
Lauryl Alcohol	100	A	A	A	A	B	A	A	A	A	A	A	I	I	I	TB
Lead Acetate	100	A	A	X	X	X	X	A	B	A	A	A	A	X	X	T
Lead Sulfate	150	A	A	A	A	A	A	A	A	A	A	A	A	X	X	TVBN
Ligroin	100	A	X	X	X	A	A	I	X	A	B	A	A	A	I	TVB
Linseed Oil	100	A	A	B	X	A	A	A	B	I	A	A	A	I	A	TVBNS
Liquefied Natural Gas (LNG)	---	NO HOSE RECOMMENDED FOR THIS APPLICATION														
Liquefied Petroleum Gas (LPG)	---	NO HOSE RECOMMENDED FOR THIS APPLICATION														
Lubricating Oils	100	A	X	X	X	A	A	I	X	A	I	A	A	A	A	TVB
M																
MIBK	100	A	X	X	X	X	X	X	X	A	B	A	X	X	X	T
M.E.K.	100	A	X	X	X	X	X	X	X	A	B	A	X	X	X	T
Magnesium Acetate	100	A	A	A	X	X	X	A	I	A	A	A	I	I	I	T
Magnesium Chloride	150	A	A	A	A	A	A	A	A	A	A	A	A	X	I	TVBS
Magnesium Hydrate	150	A	A	B	A	B	B	I	I	A	A	A	A	X	I	TN
Magnesium Hydroxide	150	A	A	B	A	B	B	A	A	A	A	A	A	X	I	TVBN
Magnesium Sulfate	150	A	A	A	A	A	A	A	B	A	A	A	A	I	I	TVBNS
Maleic Acid	100	A	X	X	X	I	X	I	I	B	I	A	A	B	X	TV
Malic Acid	150	B	I	A	A	I	I	I	I	I	I	A	A	B	X	TVBNS
Manganese Sulfate	150	A	A	A	X	A	A	A	A	A	A	A	A	I	I	TVBN
Manganese Sulfide	150	A	A	A	X	A	A	A	A	A	A	A	I	I	I	TVB
Manganese Sulfite	150	A	A	A	X	A	A	A	A	A	A	A	I	I	I	TVB
Methanol	100	A	A	A	A	X	A	A	A	A	A	A	A	I	I	TB
Mesityl Oxide	100	A	B	X	X	X	X	B	X	A	B	A	A	I	I	T
Methyl Alcohol	100	A	A	A	A	B	A	A	A	A	A	A	I	I	I	TB



This chemical chart is offered as a guide only. There are many variables to be considered with each application. Ratings are for tube polymer only! For explanation of ratings see page 240. Contact Goodyear for chemicals or polymers not listed at 800-235-4632.

RATING SCALE	GASKET
A = May be used for Continuous Service	T = Teflon®
B = May be used for Intermittent Service	V = Viton®
X = Do not Use	B = Nitrile
I = Insufficient Data, contact Goodyear	N = Neoprene
	S = Silicone

Temperature (°F)	GOODYEAR CHEMICAL HOSE												GOODYEAR FITTING			
	UHMWPE	Butyl	Hypalon®	NR	Viton®	Nitrile	CPE	EPDM	XLPE	Alphasyn™	Teflon®	316 SS	Aluminum	Brass	Gasket	
		Fabchem™	Gray Flexwing®	Yellow Flexwing	Tan Flexwing	Orange Flexwing	Flexwing Petroleum	Brown Flexwing	Purple Flexwing	Green XLPE	Blue Flexwing	Viper®	HI-PER®	Insta-Lock™	Insta-Lock	Insta-Lock
	HOSE TUBE POLYMER												METAL			

Methyl (Wood) Alcohol	100	A	A	A	X	A	A	A	A	A	A	A	I	I	TBNS
Methyl Acetate	100	A	A	B	X	X	X	A	A	A	A	A	I	I	T
Methyl Acetoacetate	100	A	B	X	X	X	X	A	I	A	A	A	I	I	T
Methyl Acetone	---	NO HOSE RECOMMENDED FOR THIS APPLICATION													
Methyl Amyl Acetate	100	B	A	B	X	X	X	I	X	A	B	A	I	I	T
Methyl Amyl Alcohol	100	A	A	A	A	B	A	A	A	A	A	A	I	I	TBN
Methyl Amyl Carbinol	100	A	A	A	A	B	A	A	A	A	A	A	I	I	TB
Methyl Amyl Ketone	100	A	B	X	X	X	X	X	I	A	B	A	I	I	T
Methyl Benzene	100	A	X	X	X	A	X	X	X	A	B	A	A	A	TV
Methyl Butanol	100	A	A	A	A	B	A	A	I	A	A	A	A	I	TBN
Methyl Butanone	100	A	B	X	X	X	X	B	B	A	B	A	I	I	T
Methyl Butyl Ketone	100	A	B	X	X	X	X	X	I	A	B	A	A	B	T
Methyl Carbitol	100	A	A	A	X	I	X	A	I	A	A	A	I	I	T
Methyl Cellosolve	100	A	A	A	X	I	X	A	A	A	A	A	B	A	T
Methyl Chloride	---	NO HOSE RECOMMENDED FOR THIS APPLICATION													
Methyl Cyclohexane	100	A	X	X	X	B	X	B	X	B	I	A	I	I	TV
Methyl Ethyl Ketone (M.E.K.)	100	A	X	X	X	X	X	X	X	A	B	A	X	X	T
Methyl Hexanol	100	A	A	A	B	A	A	A	A	A	A	A	I	I	TVB
Methyl Hexanone	100	A	B	X	X	X	X	X	I	A	B	A	I	I	T
Methyl Hexyl Ketone	100	A	B	X	X	X	X	X	I	A	B	A	I	I	T
Methyl Isobutyl Carbinol	100	A	A	A	A	B	A	A	A	A	A	A	B	I	TBN
Methyl Isobutyl Ketone (MIBK)	100	A	X	X	X	X	X	X	X	A	B	A	X	X	T
Methyl Isopropyl Ketone	100	A	B	X	X	X	X	B	B	A	B	A	A	I	T
Methyl Normal Amyl Ketone	100	A	B	X	X	X	X	I	I	A	B	A	I	I	T
Methyl Propyl Carbinol	100	A	A	A	A	B	A	A	A	A	A	A	I	I	TB
Methyl Propyl Ether	100	A	X	B	X	I	X	I	X	A	B	A	I	I	T
Methyl Propyl Ketone	100	A	B	X	X	X	X	B	I	A	B	A	I	I	T
Methyl Tertiary Butyl Ether (MTBE) 100% Concentratel	100	X	X	X	X	X	X	X	X	A	B	I	I	I	I
Methylallyl Acetate	100	A	A	B	X	X	X	I	A	A	A	A	I	I	T
Methylallyl Chloride	100	A	X	X	X	X	X	X	I	B	I	A	I	I	T
Methyldiethanolamine	100	A	X	X	X	X	A	A	X	A	A	A	I	I	TB
Methylene Bromide	100	B	X	X	X	B	X	I	X	B	A	A	I	I	TV
Methylene Chloride	---	NO HOSE RECOMMENDED FOR THIS APPLICATION													
Metribuzin	100	A	I	I	I	I	I	I	A	I	I	A	I	I	T
Mineral Spirits	100	A	X	X	X	B	A	I	X	A	B	A	A	A	TB
Monochloroacetic Acid	100	A	X	X	B	I	X	A	X	A	A	A	A	X	T
Monochlorobenzene	100	B	X	X	X	A	X	X	X	B	B	A	A	B	TV
Monochlorodifluoromethane	100	I	X	X	X	X	X	I	I	I	I	A	A	I	TN
Monoethanol Amine	100	A	A	X	B	I	B	A	B	A	B	A	A	B	TN
Monoethyl Amine	---	NO HOSE RECOMMENDED FOR THIS APPLICATION													
Monoisopropanol Amine	100	A	A	X	B	I	B	I	I	A	B	A	I	I	TB

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown

Welding

Coupling Systems

Appendix
Additional Products
Chemical Charts
General Information
Minimum Run Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products

Chemical Charts
General
Information
Minimum Run
Requirements

This chemical chart is offered as a guide only. There are many variables to be considered with each application. Ratings are for tube polymer only! For explanation of ratings see page 240. Contact Goodyear for chemicals or polymers not listed at 800-235-4632.

RATING SCALE	GASKET
A = May be used for Continuous Service	T = Teflon®
B = May be used for Intermittent Service	V = Viton®
X = Do not Use	B = Nitrile
I = Insufficient Data, contact Goodyear	N = Neoprene
	S = Silicone

There are approximately 32.

Temperature (°F)	GOODYEAR CHEMICAL HOSE												GOODYEAR FITTING			
	Fabchem™	Gray Flexwing®	Yellow Flexwing	Tan Flexwing	Orange Flexwing	Flexwing Petroleum	Brown Flexwing	Purple Flexwing	Green XLPE	Blue Flexwing	Viper®	Hi-PER®	Insta-Lock™	Insta-Lock	Insta-Lock	Insta-Lock
	UHMWPE	Butyl	Hypalon®	NR	Viton®	Nitrile	CPE	EPDM	XLPE	Alphasyn™	Teflon®	316 SS	Aluminum	Brass	Gasket	
	HOSE TUBE POLYMER												METAL			

Muriatic Acid	125	A	X	X	A	I	X	A	X	A	A	A	X	X	X	T
N																
N/Methylpyrrolidone	100	A	X	X	X	X	X	X	A	I	A	I	I	I	I	T
Naphtha	100	A	X	X	X	A	A	A	X	A	A	A	A	I	I	TVBN
Naphthalene	100	A	X	X	X	A	X	I	X	A	I	A	A	B	I	TV
Natural Gas	---	NO HOSE RECOMMENDED FOR THIS APPLICATION														
Neohexane	100	A	X	X	X	A	A	B	X	A	B	A	A	A	I	TVB
Neu-Tri	100	A	X	X	X	A	X	I	X	A	B	A	I	I	I	TV
Nickel Chloride	150	A	A	A	A	A	A	A	A	A	A	A	B	X	X	TVBS
Nickel Nitrate	150	A	A	A	A	A	A	A	A	A	A	A	B	X	X	TVBN
Nickel Sulfate	150	A	A	A	A	A	A	A	A	A	A	A	A	X	X	TVBNS
Nitric Acid 25%	100	B	B	X	X	X	X	X	X	B	A	A	A	X	X	TV
Nitric Acid 37%	100	X	X	X	X	X	X	X	X	X	A	A	A	X	X	TV
Nitric Acid 40%-60%	100	X	X	X	X	X	X	X	X	X	B	A	A	X	X	TV
Nitric Acid 70%	100	X	X	X	X	X	X	X	X	X	B	A	B	X	X	T
Nitro Benzene	100	A	X	X	X	B	X	X	X	A	B	A	A	B	X	T
Nitrogen Gas	100	A	A	A	A	A	A	A	A	A	A	A	A	I	I	TVBNS
Nitrous Oxide	100	A	A	A	A	A	A	A	A	A	A	A	A	I	X	TVBNS
Nonenes	100	A	X	X	X	A	A	I	X	A	B	A	I	I	I	VB
O																
Octadecanoic Acid	100	A	B	X	X	I	A	A	B	A	A	A	A	B	A	TB
Octane	100	B	X	X	X	A	A	A	X	B	B	A	B	I	B	TVB
Octanol	100	A	A	A	A	B	A	A	X	A	A	A	A	I	I	TBN
Octyl Acetate	100	A	A	A	X	X	X	X	I	A	B	A	I	I	I	T
Octyl Alcohol	100	A	A	A	A	B	A	A	X	A	A	A	A	I	I	TB
Octyl Aldehyde	100	A	X	X	X	X	X	I	I	A	I	A	I	I	I	T
Octyl Amine	100	A	B	X	X	X	X	B	I	A	B	A	I	I	I	T
Octyl Carbinol	100	A	A	A	A	B	A	A	A	A	A	A	I	I	I	TB
Octylene Glycol	100	A	A	A	A	A	A	A	A	A	A	A	I	I	I	TVB
Oil Petroleum	100	B	X	X	X	A	A	A	X	A	B	A	A	A	X	TVB
Oleic Acid	100	A	B	X	X	I	B	A	X	A	B	A	A	B	X	TB
Oleum	100	X	X	X	X	X	X	X	X	X	X	A	I	X	X	TV
Organic Fatty Acids	100	A	X	X	X	X	A	A	X	A	B	A	A	I	I	TB
Orthodichlorobenzene	100	A	X	X	X	A	X	I	X	A	B	A	I	I	I	TV
Orthodichlorobenzol	100	A	X	X	X	A	X	I	X	A	I	A	I	I	I	TV
Orthoxylene	100	B	X	X	X	A	X	I	X	A	B	A	I	I	I	TV
Oxalic Acid	100	A	A	X	X	I	X	A	B	I	B	A	A	B	X	TS
Oxygen	---	NO HOSE RECOMMENDED FOR THIS APPLICATION														
Ozone	100	A	B	B	X	I	X	A	A	I	B	A	I	I	I	TS
P																
Palmitic Acid	100	A	A	B	X	I	A	A	B	B	B	A	A	I	X	TBS



This chemical chart is offered as a guide only. There are many variables to be considered with each application. Ratings are for tube polymer only! For explanation of ratings see page 240. Contact Goodyear for chemicals or polymers not listed at 800-235-4632.

RATING SCALE	GASKET
A = May be used for Continuous Service	T = Teflon®
B = May be used for Intermittent Service	V = Viton®
X = Do not Use	B = Nitrile
I = Insufficient Data, contact Goodyear	N = Neoprene
	S = Silicone

Temperature (°F)	GOODYEAR CHEMICAL HOSE												GOODYEAR FITTING			
	UHMWPE	Butyl	Hypalon®	NR	Viton®	Nitrile	CPE	EPDM	XLPE	Alphasyn™	Teflon®	316 SS	Aluminum	Brass	Gasket	
		Fabchem™	Gray Flexwing®	Yellow Flexwing	Tan Flexwing	Orange Flexwing	Flexwing Petroleum	Brown Flexwing	Purple Flexwing	Green XLPE	Blue Flexwing	Viper®	HI-PER®	Insta-Lock™	Insta-Lock	Insta-Lock
		HOSE TUBE POLYMER												METAL		

Papermakers Alum	150	A	A	A	A	A	A	A	A	A	A	I	I	I	I	TVBN
Paradichlorobenzol	100	B	X	X	X	A	X	I	X	A	I	A	I	I	I	TV
Paraffin	150	A	B	X	X	A	A	A	X	X	I	A	A	A	A	TVB
Paraldehyde	100	A	B	X	X	X	X	I	B	A	B	A	A	A	I	T
Paraxylene	100	A	X	X	X	A	X	I	X	A	B	A	I	I	I	TV
Pelargonic Acid	100	A	A	X	X	I	A	I	I	A	I	A	I	I	I	TB
Pentachloroethane	100	A	X	X	X	A	X	I	X	A	I	A	A	B	X	TV
Pentane	100	X	X	X	X	A	A	A	X	B	X	A	B	A	A	TVB
Pentanol	100	A	A	A	A	B	A	A	A	A	A	A	I	I	I	TBN
Pentanone	100	A	B	X	X	X	X	B	I	A	B	A	I	I	I	T
Perchloroethylene	100	B	X	X	X	A	X	X	X	A	B	A	A	B	X	TV
Petroleum Ether (Ligroin)	100	A	X	X	X	A	A	A	X	A	B	A	A	A	I	TVB
Petroleum - Crude	100	A	X	X	X	A	A	A	X	A	B	A	A	A	X	TVB
Petroleum Oils	100	A	X	X	X	A	A	A	X	A	B	A	A	A	X	TVB
Phenol	125	A	A	X	X	A	X	A	X	A	B	A	A	B	B	TV
Phenolsulfonic Acid	100	X	X	X	X	X	X	A	I	B	B	A	B	I	I	T
Phenyl Chloride	100	A	X	X	X	A	X	X	X	A	B	A	A	B	I	TV
Phosphoric Acid 10%	150	A	A	A	A	X	A	A	A	A	A	A	A	X	X	TVBN
Phosphoric Acid 10-85%	100	A	A	A	B	X	X	A	A	A	A	A	A	X	I	TVN
Pine Oil	100	A	X	X	X	A	X	B	X	A	B	A	A	I	X	TV
Pinene	100	A	X	X	X	A	B	B	X	A	B	A	B	I	I	TV
Polyethylene Glycol	150	A	A	A	A	A	A	A	A	A	A	A	I	I	I	TVBN
Polypropylene Glycol	150	A	A	A	A	A	A	A	A	A	A	A	I	I	I	TVB
Potassium Acetate	100	A	A	B	X	X	X	A	B	A	A	A	A	X	X	TB
Potassium Bisulfate	150	A	A	A	A	A	A	A	A	A	A	A	A	I	X	TVBN
Potassium Bisulfite	150	A	A	A	A	A	A	A	A	A	A	A	I	I	I	TVBN
Potassium Carbonate	150	A	A	A	A	A	A	A	A	A	A	A	A	X	X	TVBNS
Potassium Chloride	150	A	A	A	A	A	A	A	A	A	A	A	A	X	X	TVBNS
Potassium Chromate	150	B	A	X	I	I	I	A	I	B	B	A	B	I	I	TVBN
Potassium Dichromate	150	B	A	X	I	I	I	A	I	B	B	A	A	B	X	TVBNS
Potassium Hydrate	150	A	A	B	A	X	B	A	B	A	A	A	A	X	I	TS
Potassium Hydroxide	150	B	A	B	A	X	B	A	B	A	A	A	A	X	X	TN
Potassium Nitrate	150	A	A	A	A	A	A	A	A	A	A	A	A	B	A	TVBNS
Potassium Permanganate	100	A	A	A	A	A	B	I	I	A	A	A	A	I	I	TVS
Potassium Silicate	150	A	A	A	A	A	A	A	A	A	A	A	A	I	I	TVBNS
Potassium Sulfate	150	A	A	A	A	A	A	A	A	A	A	A	A	B	A	TVBNS
Potassium Sulfide	150	A	A	A	A	A	A	A	A	A	A	A	A	X	X	TVBNS
Potassium Sulfite	150	A	A	A	A	A	A	A	A	A	A	A	A	I	X	TVBNS
Propanediol	100	A	A	A	A	A	A	A	A	A	A	A	I	I	I	TVBS
Propane Gas	---	NO HOSE RECOMMENDED FOR THIS APPLICATION														
Propanol	100	A	A	A	A	B	A	A	A	A	A	A	A	I	I	TVB

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown

Welding

Coupling Systems

Appendix
Additional Products
Chemical Charts
General Information
Minimum Run Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix

Additional
Products

Chemical Charts

General

Information
Minimum Run
Requirements

This chemical chart is offered as a guide only. There are many variables to be considered with each application. Ratings are for tube polymer only! For explanation of ratings see page 240. Contact Goodyear for chemicals or polymers not listed at 800-235-4632.

RATING SCALE	GASKET
A = May be used for Continuous Service	T = Teflon®
B = May be used for Intermittent Service	V = Viton®
X = Do not Use	B = Nitrile
I = Insufficient Data, contact Goodyear	N = Neoprene
	S = Silicone

GOODYEAR CHEMICAL HOSE													
GOODYEAR FITTING													
Temperature (°F)	Fabchem™	Gray Flexwing®	Yellow Flexwing	Tan Flexwing	Orange Flexwing	Flexwing Petroleum	Brown Flexwing	Purple Flexwing	Green XLPE	Blue Flexwing	Viper®	HI-PER®	Insta-Lock™
	UHMWPE	Butyl	Hypalon®	NR	Viton®	Nitrile	CPE	EPDM	XLPE	Alphasyn™	Teflon®	316 SS	Aluminum
	HOSE TUBE POLYMER										METAL		

Propyl Acetate	100	A	A	B	X	X	X	B	X	A	B	A	A	I	I	T
Propyl Alcohol	100	A	A	A	A	B	A	A	A	A	A	A	A	I	I	T B
Propyl Aldehyde	100	A	B	X	X	X	X	X	I	A	B	A	I	I	I	T
Propyl Chloride	---	NO HOSE RECOMMENDED FOR THIS APPLICATION														
Propylene Diamine	100	A	A	X	B	I	B	A	I	A	I	A	I	I	I	T B
Propylene Dichloride	100	B	X	X	X	B	X	X	X	B	I	A	A	X	I	T V
Propylene Glycol	100	A	A	A	A	A	A	A	A	A	A	A	A	I	I	T V B S
Propylene Tetramer	100	A	X	X	X	X	A	A	X	A	B	I	I	I	I	B
S																
Sea Water	100	A	A	A	A	A	A	A	A	A	A	A	A	I	X	T V B N S
Sewage	100	A	X	A	X	I	A	A	A	A	A	A	A	X	I	T B N S
Silicate of Soda	100	A	A	A	A	A	A	A	A	A	A	A	A	X	X	T V B N S
Soap	100	A	X	X	X	X	A	A	X	X	I	A	A	X	X	T B N S
Soda Ash	100	A	A	A	A	A	A	A	A	A	A	A	A	X	I	T V B N S
Soda, Caustic	100	A	A	B	A	X	B	A	A	A	A	A	A	X	X	T N S
Soda, Lime	100	A	A	B	A	X	B	A	A	A	A	A	I	I	I	T V B
Soda, Niter	100	A	A	A	A	A	A	A	B	A	A	A	A	B	I	T V B
Sodium Acetate	100	A	A	A	X	X	X	A	B	B	B	A	A	I	A	T N S
Sodium Aluminate	100	A	A	A	A	A	A	A	A	A	A	A	A	I	I	T V B N
Sodium Bisulfate	150	A	A	A	A	A	A	A	A	A	A	A	A	X	X	T V B N S
Sodium Bisulfite	150	A	A	A	A	A	A	A	A	A	A	A	A	X	X	T V B N S
Sodium Carbonate	150	A	A	A	A	A	A	A	A	A	A	A	A	X	I	T V B N S
Sodium Chloride (Brine)	150	A	A	A	A	A	A	A	A	A	A	A	A	X	I	T V B N S
Sodium Chromate	150	X	A	X	I	I	I	A	I	X	I	A	A	A	A	T V B N
Sodium Dichromate	150	A	A	X	I	I	I	A	A	A	A	A	A	I	X	T
Sodium Hydrate	150	A	A	B	A	X	B	A	A	A	A	A	B	X	X	T N
Sodium Hydrochlorite (20%)	100	A	B	X	X	B	X	I	I	B	A	A	I	I	I	T
Sodium Hydrosulfide	100	A	X	X	X	X	A	A	X	A	I	A	I	B	I	T B
Sodium Hydroxide (50%)	150	A	A	B	A	X	B	A	A	A	A	A	A	X	X	T B N
Sodium Hypochlorite	100	B	B	X	X	B	X	A	A	X	B	A	X	X	X	T V S
Sodium Nitrate	150	A	A	A	A	A	A	A	B	A	A	A	A	B	I	T V B N S
Sodium Silicate	150	A	A	A	A	A	A	A	A	A	A	A	A	X	X	T V B N S
Sodium Sulfate	150	A	A	A	A	A	A	A	A	A	A	A	A	B	X	T V B N S
Sodium Sulfide	150	A	A	A	A	A	A	A	A	A	A	A	A	X	X	T V B N
Sodium Sulfite	150	A	A	A	A	A	A	A	B	A	A	A	A	I	I	T V B N S
Sodium Sulphydrate	100	A	X	X	X	X	A	A	X	A	B	A	I	I	I	T B
Sodium Thiosulfate	150	A	A	A	A	A	A	A	A	A	A	A	A	I	X	T V B N S
Stannic Chloride	150	A	A	A	A	I	A	A	A	A	A	A	X	X	X	T B
Stannic Sulfide	150	A	A	A	A	I	A	A	A	A	A	A	I	I	I	T B N
Stannous Chloride	150	A	A	A	A	I	A	A	B	A	A	A	A	X	X	T B
Stannous Sulfide	150	A	A	A	A	I	A	A	A	A	A	A	I	I	I	T B



This chemical chart is offered as a guide only. There are many variables to be considered with each application. Ratings are for tube polymer only! For explanation of ratings see page 240. Contact Goodyear for chemicals or polymers not listed at 800-235-4632.

RATING SCALE	GASKET
A = May be used for Continuous Service	T = Teflon®
B = May be used for Intermittent Service	V = Viton®
X = Do not Use	B = Nitrile
I = Insufficient Data, contact Goodyear	N = Neoprene
	S = Silicone

Temperature (°F)	GOODYEAR CHEMICAL HOSE												GOODYEAR FITTING			
	UHMWPE	Butyl	Hypalon®	NR	Viton®	Nitrile	CPE	EPDM	XLPE	Alphasyn™	Teflon®	316 SS	Aluminum	Brass	Gasket	
		Fabchem™	Gray Flexwing®	Yellow Flexwing	Tan Flexwing	Orange Flexwing	Flexwing Petroleum	Brown Flexwing	Purple Flexwing	Green XLPE	Blue Flexwing	Viper®	HI-PER®	Insta-Lock™	Insta-Lock	Insta-Lock
	HOSE TUBE POLYMER												METAL			

Stearic Acid	100	A	B	X	X	I	A	A	B	A	A	A	B	A	TVB
Stoddards Solvent	100	A	X	X	X	A	A	A	X	A	B	A	A	I	TVB
Styrene	100	B	X	X	X	A	X	X	X	X	I	A	A	I	TV
Sulfamic Acid (>10%)	100	X	A	B	B	I	B	A	I	I	I	A	I	I	TVN
Sulfonic Acid	100	B	X	X	X	X	X	I	I	B	I	A	I	I	TVN
Sulfur Dioxide (Liquid)	100	B	B	B	I	X	I	I	X	I	A	A	I	I	TN
Sulfuric Acid 25%	150	A	A	B	B	I	X	A	A	A	A	I	X	X	TVN
Sulfuric Acid 93%	100	X	X	B	X	B	X	X	B	A	A	A	I	X	TV
Sulfuric Acid 93-98%	100	X	X	X	X	B	X	X	X	I	B	A	I	X	TV
Sulfuric Acid Fuming	100	X	X	X	X	X	X	X	X	X	A	I	X	X	T
Sulfurous Acid 10%	150	A	A	A	A	I	X	A	A	A	A	A	I	X	T
Sulfurous Acid 10-75%	100	A	A	A	A	I	X	A	A	A	A	A	I	X	T
Sulphonate	100	I	X	X	X	X	A	A	X	X	I	I	I	I	B
T															
Tall Oil	100	A	X	X	X	A	A	I	X	I	I	A	A	X	TVB
Tallow	150	A	X	X	X	I	A	A	X	I	I	A	A	I	TBNS
Tannic Acid	150	A	A	A	A	I	B	A	X	I	I	A	A	X	TVBN
Tar	---	SPECIAL HOSE REQUIRED											A	A	I
Tartaric Acid	150	A	A	A	A	I	A	A	A	A	A	A	I	A	TBN
Tergitol	100	X	I	I	I	I	I	I	I	I	I	A	I	I	T
Tertiary Butyl Alcohol	100	A	A	A	A	B	A	A	A	A	A	I	I	I	TB
Tetrachlorobenzene	100	B	X	X	X	B	X	I	X	B	I	A	I	I	T
Tetrachloroethane	100	A	X	X	X	A	X	I	X	X	I	A	A	X	TV
Tetrachloroethylene	100	A	X	X	X	A	X	X	X	A	B	A	A	B	TV
Tetrachloromethane	100	A	X	X	X	A	X	X	X	X	B	A	A	I	TV
Tetrachloronaphthalene	100	B	X	X	X	B	X	I	X	X	I	A	I	I	T
Tetradecanol	100	A	A	A	A	B	A	A	A	A	A	A	I	I	TB
Tetraethylene Glycol	150	A	A	A	A	A	A	A	A	A	A	A	I	I	TVB
Tetraethylene Lead	100	X	X	X	X	A	X	X	X	X	I	A	I	I	TV
Tetrahydrofuran	100	B	X	X	X	X	X	X	X	B	X	A	A	B	T
THF	100	B	X	X	X	X	X	X	X	B	X	A	A	B	T
Thionyl Chloride	100	X	I	I	I	I	I	I	I	I	X	A	X	X	T
Tin Chloride	100	A	A	A	A	I	A	A	A	A	A	A	X	X	TVB
Tin Tetrachloride	150	B	A	A	A	I	A	A	A	A	A	A	X	X	TB
Titanium Tetrachloride	100	B	X	X	X	A	B	X	X	A	B	A	B	X	TV
Toluene	100	A	X	X	X	A	X	X	X	B	B	A	A	A	TV
Toluidine	100	X	I	I	I	I	I	I	I	I	I	A	I	I	T
Toluol	100	A	X	X	X	A	X	X	X	A	B	A	A	A	TV
Transformer Oil	100	X	I	I	I	I	I	I	I	I	I	A	A	I	T
Transmission Oil "A"	150	B	X	X	X	A	A	I	X	I	I	A	A	A	TVB
Tributoxy Ethysulphate	100	I	A	X	X	A	X	X	A	X	I	I	I	I	V

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock Transfer

Spray

Steam

Vacuum

Water Discharge
Suction & Discharge
Washdown

Welding

Coupling Systems

Appendix
Additional Products
Chemical Charts
General Information
Minimum Run Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional Products

Chemical Charts
General Information
Minimum Run Requirements

This chemical chart is offered as a guide only. There are many variables to be considered with each application. Ratings are for tube polymer only! For explanation of ratings see page 240. Contact Goodyear for chemicals or polymers not listed at 800-235-4632.

RATING SCALE	GASKET
A = May be used for Continuous Service	T = Teflon®
B = May be used for Intermittent Service	V = Viton®
X = Do not Use	B = Nitrile
I = Insufficient Data, contact Goodyear	N = Neoprene
	S = Silicone

	GOODYEAR CHEMICAL HOSE												GOODYEAR FITTING			
	Fabchem™	Gray Flexwing®	Yellow Flexwing	Tan Flexwing	Orange Flexwing	Flexwing Petroleum	Brown Flexwing	Purple Flexwing	Green XLPE	Blue Flexwing	Viper®	HI-PER®	Insta-Lock™	Insta-Lock	Insta-Lock	Insta-Lock
Temperature (°F)	UHMWPE	Butyl	Hypalon®	NR	Viton®	Nitrile	CPE	EPDM	XLPE	Alphasyn™	Teflon®	316 SS	Aluminum	Brass	Gasket	
	HOSE TUBE POLYMER												METAL			
Tributyl Amine	100	A	A	X	B	I	B	A	I	A	A	A	I	I	I	T
Tributyl Phosphate	100	A	A	X	X	X	X	X	X	A	I	A	A	I	X	T
Trichlorobenzene	100	B	X	X	X	B	X	X	X	B	I	A	I	A	I	T
Trichloroethane	100	A	X	X	X	A	X	B	X	X	B	A	A	I	I	TV
Trichloroethylene	100	X	X	X	X	A	X	X	X	X	B	A	A	I	I	TV
Trichloropropane	100	A	X	X	X	A	X	I	X	A	I	A	A	X	I	TV
Tricresylphosphate	100	A	A	X	X	A	X	A	A	A	I	A	A	X	I	TV
Tridecanol	100	A	A	A	A	B	A	A	A	A	A	A	I	I	I	TB
Triethanolamine	100	A	A	X	B	X	B	A	A	A	A	A	A	I	X	TB
Triethylamine	100	A	A	X	B	I	B	A	I	A	A	A	A	I	I	TVBN
Triethylene Glycol	150	A	A	A	A	I	A	A	I	A	A	A	A	A	I	TB
Trifluralin (Trefalin)	100	A	X	X	X	A	X	X	X	A	I	A	I	I	I	TV
Triphenyl Phosphate	100	A	A	X	X	I	X	I	I	A	I	A	A	I	I	T
Tripolyphosphate	100	X	I	I	I	I	I	I	I	I	I	A	I	I	I	T
Trisodium Phosphate	150	A	A	A	A	A	A	A	A	A	A	A	A	X	I	TVBNS
Turpentine	100	A	X	X	X	A	A	B	X	A	X	A	A	A	A	TVB
U																
Urea	100	A	A	I	I	I	X	A	I	A	A	A	A	B	I	TVBN
Undecanol	100	B	A	A	A	B	A	A	A	A	A	A	I	I	I	TB
V																
V.M. & P. Naptha	100	A	X	X	X	A	A	I	X	A	I	A	I	I	I	TVBS
Vinyl Acetate	100	A	A	B	X	X	X	A	X	A	B	A	A	I	X	TV
Vinyl Benzene	100	A	X	X	X	A	X	X	X	A	I	A	A	I	I	TV
Vinyl Chloride	---	NO HOSE RECOMMENDED FOR THIS APPLICATION														
Vinyl Ether	---	NO HOSE RECOMMENDED FOR THIS APPLICATION														
Vinyl Toluene	100	A	X	X	X	A	X	X	X	A	I	A	I	I	I	TV
Vinyl Trichloride	100	A	X	X	X	A	X	X	X	A	B	A	A	I	I	TV
W																
Water	180	A	A	A	A	A	A	A	A	A	A	A	A	I	I	TVBNS
Wax	100	A	X	X	X	X	A	A	X	X	X	A	A	I	I	TVBN
White Oil	100	A	X	X	X	I	A	A	X	I	I	A	I	I	I	TVB
Wood Alcohol	100	A	A	A	A	X	A	A	A	A	A	A	A	I	I	TBNS
X																
Xylene (Xylol)	100	X	X	X	X	A	X	X	X	A	B	A	A	I	I	TV
Xylidine	100	B	X	X	X	X	X	X	X	B	B	A	B	A	I	T
Z																
Zinc Carbonate	150	A	A	A	A	A	A	A	A	A	A	A	B	B	X	TVBN
Zinc Chloride	150	A	A	A	A	A	A	A	A	A	A	A	A	X	X	TVBNS
Zinc Chromate	150	A	A	X	I	I	I	A	X	B	I	A	I	I	I	T
Zinc Phosphate	100	A	X	X	X	X	A	A	A	X	I	A	I	I	I	TBNS
Zinc Sulfate	150	A	A	A	A	A	A	A	A	A	A	A	A	X	X	TVBNS



APPENDIX-CHEMICAL CHARTS

SPIRAFLEX HOSE CHEMICAL RESISTANCE GUIDE

Thermoplastic Hose					
A = May be used for Continuous Service B = May be used for Intermittent Service X = Do not Use I = Insufficient Data	Temp °F	Polyurethane/Spirathane	PVC/Plivoc Plus	TPE/Atac	TPR/Green Hornet
A					
Acetaldehyde	70°	X	X	I	X
Acetic Acid, Conc.	70°	X	B	I	I
Acetic Acid, Dilute 10	70°	B	A	I	I
Acetic Acid, Glacial	70°	X	B	I	X
Acetic Aldehyde	70°	I	X	I	X
Acetic Anhydride	70°	X	X	X	X
Acetic Ester	70°	X	X	X	B
Acetic Ether	70°	X	X	X	I
Acetone	70°	X	X	X	B
Acetone Cyanohydrin	70°	X	X	X	I
Acetyl Acetone	70°	X	X	X	I
Acetyl Chloride	70°	X	I	X	X
Acetylene Dichloride	70°	I	X	I	X
Acetylene Tetrachloride	70°	I	X	I	I
Acrylonitrile	70°	A	A	B	I
Allyl Alcohol	70°	X	X	X	X
Allyl Bromide	70°	X	X	X	I
Allyl Chloride	70°	X	X	X	I
Alum	70°	A	A	A	B
Aluminum Acetate	70°	I	I	I	I
Aluminum Chloride	70°	A	A	A	B
Aluminum Hydroxide	70°	A	A	A	I
Aluminum Sulfate	70°	A	A	A	B
Ammonia Cupric Sulfate	70°	I	X	I	I
Ammonia Water	70°	A	A	A	A
Ammonium Chloride	70°	A	A	A	B
Ammonium Hydroxide	70°	B	B	I	B
Ammonium Nitrate	70°	A	A	A	I
Ammonium Phosphate	70°	I	I	I	B
Ammonium Sulfate	70°	A	A	A	B
Ammonium Sulfide	70°	A	A	A	I
Ammonium Sulfite	70°	A	A	A	I
Ammonium Thiosulfate	70°	A	A	I	I

Thermoplastic Hose					
A = May be used for Continuous Service B = May be used for Intermittent Service X = Do not Use I = Insufficient Data	Temp °F	Polyurethane/Spirathane	PVC/Plivoc Plus	TPE/Atac	TPR/Green Hornet
Amyl Acetate	70°	X	X	X	X
Amyl Alcohol	70°	B	B	I	X
Amyl Chloride	70°	X	X	X	X
Amyl Phenol	70°	I	X	I	I
Amyl Phthalate	70°	I	X	I	I
Aniline Oils	70°	X	X	X	I
Animal Grease	70°	A	A	A	I
Animal Oils	70°	A	A	A	X
Aqua Ammonia	70°	I	B	B	I
Aromatic Tar	70°	X	X	X	I
Arsenic Acid	70°	A	A	A	I
Arsenic Chloride	70°	A	A	I	I
Arsenic Trichloride	70°	A	A	I	I
Asphalt	70°	X	X	X	X
ASTM #1 Oil	70°	A	A	A	X
ASTM #2 Oil	70°	A	A	I	X
ASTM #3 Oil	70°	A	A	B	X
B					
Barium Carbonate	70°	A	A	A	I
Barium Chloride	70°	A	A	A	I
Barium Hydroxide	70°	A	A	A	I
Barium Sulfate	70°	A	A	A	I
Barium Sulfide	70°	A	A	A	I
Benzyl Chloride	70°	I	X	I	I
Benzaldehyde	70°	X	X	X	X
Benzene (Benzol)	70°	X	X	X	X
Benzine (Ligroin)	70°	X	X	X	X
Benzine Solvent (Ligroin)	70°	X	X	X	X
Benzoic Acid	70°	B	A	A	B
Benzoic Aldehyde	70°	I	X	I	I
Benzotrichloride	70°	I	X	I	I
Benzoyl Chloride	70°	I	X	I	I
Benzyl Acetate	70°	I	X	I	I
Benzyl Chloride	70°	I	X	I	I

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

APPENDIX-CHEMICAL CHARTS

SPIRAFLEX HOSE CHEMICAL RESISTANCE GUIDE

Thermoplastic Hose					
A = May be used for Continuous Service B = May be used for Intermittent Service X = Do not Use I = Insufficient Data	Temp °F	Polyurethane/Spirathane	PVC/Plivoc Plus	TPE/Artac	TPR/Green Hornet
Bichromate of Soda	70°	I	A	I	I
Black Sulfate Liquor	70°	A	A	A	I
Bleach	70°	A	A	A	B
Brine	70°	A	A	A	B
Bromine	70°	X	X	X	X
Bromo Benzene	70°	I	X	I	X
Bromo Toluene	70°	I	X	I	I
Bromochloromethane	70°	I	X	I	X
Butanol	70°	I	X	I	B
Butyl (Normal) Alcohol	70°	I	X	X	B
Butyl (Secondary) Alcohol	70°	I	X	X	B
Butyl Acetate	70°	X	X	I	X
Butyl Acetoacetate	70°	I	X	I	I
Butyl Acrylate	70°	I	X	I	I
Butyl Alcohol	70°	A	A	A	B
Butyl Benzene	70°	I	X	I	I
Butyl Benzl Phthalate	70°	I	X	I	I
Butyl Bromide	70°	I	X	I	I
Butyl Butyrate	70°	I	X	I	I
Butyl Chloride	70°	I	X	I	I
Butyl Phthalate	70°	I	X	I	X
Butyric Acid	70°	I	X	B	I
C					
Cadmium Acetate	70°	I	A	I	I
Calcium Acetate	70°	I	A	I	I
Calcium Aluminate	70°	I	A	I	I
Calcium Bichromate	70°	I	A	I	I
Calcium Bisulfate	70°	I	A	B	I
Calcium Bisulfite	70°	A	A	A	I
Calcium Carbonate	70°	A	A	A	I
Calcium Chloride	70°	A	A	A	I
Calcium Hydroxide (Caustic Lime)	70°	A	A	A	I
Calcium Hypochlorite	70°	A	A	I	I
Calcium Nitrate	70°	A	A	I	I

Thermoplastic Hose					
A = May be used for Continuous Service B = May be used for Intermittent Service X = Do not Use I = Insufficient Data					
	Temp °F	Polyurethane/Spirathene	PVC/Plivic Plus	TPC/Artac	TPR/Green Hornet
Calcium Silicate	70°	A	A	I	I
Calcium Sulfate	70°	A	A	A	
Calcium Sulfide	70°	A	A	I	I
Calcium Sulfite	70°	A	A	I	I
Carbolic Acid, Phenol	70°	X	X	X	X
Carbon Dioxide	70°	A	A	A	B
Carbon Disulfide	70°	X	X	X	X
Carbon Monoxide	70°	A	A	A	B
Carbon Tetrachloride	70°	X	X	X	X
Carbonic Acid	70°	I	A	A	I
Casinghead Gasoline	70°	I	X	X	X
Caster Oil	70°	A	A	A	I
Caustic Potash	70°	A	A	A	A
Caustic Soda	70°	A	A	A	B
Chlorinated Solvents	70°	I	X	I	I
Chlorine (Dry)	70°	A	A	A	B
Chlorine (Wet)	70°	B	X	I	B
Chloroacetone	70°	I	X	I	I
Chlorobenzene	70°	X	X	X	X
Chlorobutane	70°	I	X	I	I
Chloroethylbenzene	70°	I	X	I	I
Chloroform	70°	X	X	X	X
Chloropentane	70°	I	X	I	X
Chlorophenol	70°	I	X	I	I
Chloropropanone	70°	I	X	I	I
Chlorosulfonic Acid	70°	I	B	I	X
Chlorothene	70°	I	X	I	X
Chlorotoluene	70°	X	X	X	X
Chromic Acid	70°	B	B	B	B
Copper Chloride	70°	A	A	A	B
Copper Hydrate	70°	I	A	I	I
Copper Hydroxide	70°	I	A	I	I
Copper Nitrate	70°	A	A	A	I
Copper Nitrite	70°	A	A	A	I

Appendix

Chemical Charts



APPENDIX-CHEMICAL CHARTS

SPIRAFLEX HOSE CHEMICAL RESISTANCE GUIDE

Thermoplastic Hose					
A = May be used for Continuous Service B = May be used for Intermittent Service X = Do not Use I = Insufficient Data	Temp °F	Polyurethane/Spirathane	PVC/Plivoc Plus	TPE/Atac	TPR/Green Hornet
Copper Sulfate	70°	A	A	A	I
Copper Sulfide	70°	B	A	B	I
Creosol	70°	X	X	X	X
Creosote	70°	X	X	X	X
Crude Oil	70°	B	A	B	X
Cupric Carbonate	70°	I	A	I	I
Cupric Chloride	70°	A	A	I	I
Cupric Nitrate	70°	A	A	I	I
Cupric Nitrite	70°	A	A	I	I
Cupric Sulfate	70°	A	A	A	I
Cyclohexane	70°	X	X	X	X
Cyclohexanol	70°	X	X	X	X
Cyclohexanone	70°	X	X	X	X
Cyclopentane, methyl	70°	I	A	I	I
Cyclopentanol	70°	I	A	I	I
Cyclopentanone	70°	I	A	I	I
C					
D.D.T.	70°	I	A	I	I
D.D.T. in Kerosene	70°	X	X	X	X
Decalin	70°	I	B	I	I
Decanol	70°	I	B	I	I
Decyl Alcohol	70°	I	A	I	I
Decyl Butyl Phthalate	70°	X	X	X	X
Denatured Alcohol	70°	I	A	B	I
Diacetone Alcohol	70°	B	A	B	B
Diamyl Phenol	70°	X	X	X	X
Dibromobenzene	70°	I	X	I	I
Dibutyl Amine	70°	I	X	I	I
Dibutyl Phthalate	70°	X	X	X	X
Dibutyl Sebacate	70°	I	X	I	I
Dicalcium Phosphate	70°	B	A	B	I
Dichlorobenzene	70°	X	X	X	X
Dichlorobutane	70°	I	X	I	I
Dichlorodibromomethane	70°	X	X	X	X

Thermoplastic Hose					
A = May be used for Continuous Service B = May be used for Intermittent Service X = Do not Use I = Insufficient Data	Temp °F	Polyurethane/Spirathane	PVC/Plivoc Plus	TPE/Atac	TPR/Green Hornet
Dichloroethane	70°	I	X	I	I
Dichloroethyl Ether	70°	I	X	I	X
Dichloroethylene	70°	I	X	I	X
Dichlorohexane	70°	I	X	I	X
Dichloromethane	70°	I	X	I	X
Dichloropentane	70°	I	X	I	X
Dichloropropane	70°	I	X	I	X
Diesel Oil	70°	I	B	X	X
Diethylamine	70°	I	I	I	I
Diethyl Benzene	70°	I	X	I	X
Diethyl Ketone	70°	I	X	I	I
Diethyl Oxalate	70°	I	X	I	I
Diethyl Phthalate	70°	I	X	I	I
Diethyl Sebacate	70°	I	X	I	I
Diethylene Glycol	70°	I	B	I	I
Diisobutyl Ketone	70°	I	X	I	I
Diisooctyl Adipate	70°	I	X	I	I
Diisooctyl Phthalate	70°	I	X	I	I
Diisodecyl Adipate	70°	I	X	I	I
Diisopropyl Amine	70°	I	X	I	I
Diisopropyl Ketone	70°	I	X	I	I
Dimethyl Amine	70°	I	X	I	I
Dimethyl Benzene	70°	I	X	I	I
Dimethyl Ketone	70°	I	X	I	I
Dimethyl Phthalate	70°	I	X	I	I
Dinitrobenzene	70°	I	X	I	I
Diocetyl Adipate	70°	I	X	I	I
Diocetyl Phthalate	70°	X	X	X	X
Diocetyl Sebacate	70°	I	X	I	I
Diphenyl Phthalate	70°	I	X	I	I
Dipropyl Ketone	70°	I	X	I	I
Disodium Phosphate	70°	A	A	A	B
Divinyl Benzene	70°	I	X	I	I
Dodecyl Benzene	70°	I	X	I	I

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



APPENDIX-CHEMICAL CHARTS

SPIRAFLEX HOSE CHEMICAL RESISTANCE GUIDE

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix

Additional
Products

Chemical Charts

General
Information

Minimum Run
Requirements

Thermoplastic Hose					
A = May be used for Continuous Service B = May be used for Intermittent Service X = Do not Use I = Insufficient Data	Temp °F	Polyurethane/Spirathane	PVC/Plivoc Plus	TPE/Atac	TPR/Green Hornet
E					
Ethanol	70°	A	A	A	A
Ethanol Amine	70°	B	A	B	I
Ethyl Acetate	70°	X	X	X	B
Ethyl Acetoacetate	70°	I	X	I	I
Ethyl Acrylate	70°	X	X	X	I
Ethyl Alcohol	70°	A	A	A	A
Ethyl Benzene	70°	I	X	I	X
Ethyl Butanol	70°	I	A	I	I
Ethyl Butyl Acetate	70°	I	X	I	I
Ethyl Butyl Alcohol	70°	I	A	I	I
Ethyl Butyl Ketone	70°	I	X	I	I
Ethyl Chloride	---	X	X	X	X
Ethyl Dichloride	70°	X	X	X	X
Ethyl Ether	---	X	X	X	X
Ethyl Formate	70°	I	X	I	I
Ethyl Hexyl Acetate	70°	I	X	I	I
Ethyl Hexyl Alcohol	70°	I	A	I	I
Ethyl Iodide	70°	X	X	X	X
Ethyl Isobutyl Ether	70°	I	X	I	I
Ethyl Methyl Ketone	70°	X	X	X	X
Ethyl Oxalate	70°	I	X	I	I
Ethyl Phthalate	70°	I	X	I	I
Ethyl Propyl Ether	70°	I	X	I	I
Ethyl Propyl Ketone	70°	X	X	X	I
Ethylene Bromide	70°	X	X	X	X
Ethylene Chloride	70°	X	X	X	X
Ethylene Dibromide	70°	X	X	X	X
Ethylene Dichloride	70°	X	X	X	X
Ethylene Glycol	70°	A	A	A	A
F					
Ferric Bromide	70°	A	A	A	B
Ferric Chloride	70°	A	A	A	A
Ferric Sulfate	70°	A	A	A	A

Thermoplastic Hose					
A = May be used for Continuous Service B = May be used for Intermittent Service X = Do not Use I = Insufficient Data	Temp °F	Polyurethane/Spirathane	PVC/Plivoc Plus	TPE/Atac	TPR/Green Hornet
Ferrous Acetate	70°	A	A	A	I
Ferrous Chloride	70°	A	A	A	B
Ferrous Hydroxide	70°	I	A	A	I
Ferrous Sulfate	70°	A	A	A	A
Fluorine	70°	X	X	X	X
Fluosilicic Acid	70°	A	A	A	B
Formaldehyde	70°	X	X	B	A
Formalin	70°	I	I	A	A
Formic Acid (less than 50%)	70°	B	B	A	A
Formic Acid (more than 50%)	70°	B	X	X	B
Freon® 12	70°	B	B	B	X
Freon® 22	70°	X	X	X	X
Fuel A (ASTM)	70°	A	B	B	I
Fuel B (ASTM)	70°	A	B	X	X
Fuel Oil	70°	A	B	B	X
Furfural	70°	X	X	X	X
G					
Gasoline	70°	X	X	X	X
Glacial Acetic Acid	70°	X	B	I	I
Glycerin	70°	A	A	A	B
Grease	70°	A	A	A	B
H					
Heptane	70°	A	A	X	X
Hexane	70°	A	A	B	X
Hexanol	70°	B	A	B	B
Hexyl Methyl Ketone	70°	I	X	I	I
Hexylene Glycol	70°	I	B	I	I
Hexylyl-Alcohol	70°	I	A	I	I
Hydrobromic Acid	70°	A	A	B	B
Hydrochloric Acid	70°	A	B	A	A
Hydrofluoric Acid	70°	A	B	A	B
Hydrofluosilicic Acid	70°	B	B	I	I
Hydrogen Dioxide 10%	70°	I	A	A	I
Hydrogen Dioxide over 10%	70°	I	A	A	I

©Freon is a registered trademark of E.I. du Pont de Nemours and Company.



APPENDIX-CHEMICAL CHARTS

SPIRAFLEX HOSE CHEMICAL RESISTANCE GUIDE

Thermoplastic Hose					
A = May be used for Continuous Service B = May be used for Intermittent Service X = Do not Use I = Insufficient Data	Temp °F	Polyurethane/Spirathane	PVC/Plivoc Plus	TPE/Atac	TPR/Green Hornet
Hydrogen Gas	70°	X	X	X	B
Hydrogen Peroxide 10%	70°	A	A	A	B
Hydrogen Peroxide over 10%	70°	A	A	A	B
I					
Iodine	70°	X	X	X	X
Iron Acetate	70°	I	A	I	I
Iron Hydroxide	70°	I	A	A	I
Iron Salts	70°	I	A	A	B
Iron Sulfate	70°	I	A	A	A
Iron Sulfide	70°	I	A	I	I
Isoamyl Acetate	70°	I	X	I	I
Isoamyl Alcohol	70°	I	A	I	I
Isoamyl Bromide	70°	X	X	X	I
Isoamyl Butyrate	70°	I	X	I	I
Isoamyl Chloride	70°	I	X	I	I
Isoamyl Ether	70°	I	X	I	I
Isoamyl Phthalate	70°	I	X	I	I
Isobutanol	70°	I	A	I	A
Isobutyl Acetate	70°	I	X	I	I
Isobutyl Alcohol	70°	I	A	I	A
Isooctane	70°	I	B	X	I
Isopentane	---	I	B	I	I
Isopropanol	70°	I	A	I	A
Isopropyl Acetate	70°	X	X	X	I
Isopropyl Alcohol	70°	A	A	B	B
Isopropyl Benzene	70°	I	X	I	X
Isopropyl Chloride	---	I	X	I	I
J					
Jet Fuels	---	X	X	X	X
K					
Kerosene	70°	X	B	X	X
Ketones	70°	X	X	X	X
L					
Lead Acetate	70°	A	A	A	B

Thermoplastic Hose					
A = May be used for Continuous Service B = May be used for Intermittent Service X = Do not Use I = Insufficient Data	Temp °F	Polyurethane/Spirathane	PVC/Plivoc Plus	TPE/Atac	TPR/Green Hornet
Lead Sulfate	70°	I	X	I	I
Linseed Oil	70°	A	A	A	X
Lubricating Oils	70°	A	B	B	I
M					
MIBK	70°	I	X	I	X
M.E.K.	70°	X	X	B	X
Magnesium Acetate	70°	I	A	I	I
Magnesium Chloride	70°	A	A	A	A
Magnesium Hydrate	70°	I	A	A	B
Magnesium Hydroxide	70°	A	A	A	A
Magnesium Sulfate	70°	A	A	A	A
Malic Acid	70°	B	A	B	B
Manganese Sulfate	70°	I	A	I	I
Manganese Sulfide	70°	I	A	I	I
Manganese Sulfite	70°	I	A	I	I
Methanol	70°	A	A	A	A
Methallyl Alcohol	70°	I	A	I	I
Methyl (Wood) Alcohol	70°	B	B	A	A
Methyl Acetate	70°	X	X	X	X
Methyl Acetoacetate	70°	I	X	I	I
Methyl Acetone	70°	I	X	I	X
Methyl Amyl Acetate	70°	X	X	X	X
Methyl Amyl Alcohol	70°	I	A	I	I
Methyl Amyl Ketone	70°	I	X	A	I
Methyl Benzene	70°	I	X	I	X
Methyl Butanol	70°	I	B	I	X
Methyl Butyl Ketone	70°	I	X	I	I
Methyl Cellosolve	70°	I	B	I	I
Methyl Chloride	---	X	X	X	X
Methyl Ethyl Ketone	70°	X	X	X	X
Methyl Hexyl Ketone	70°	X	X	X	X
Methyl Isobutyl Ketone	70°	X	X	X	X
Methyl Isopropyl Ketone	70°	X	X	X	X
Methyl Normal Amyl Ketone	70°	X	X	X	X

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

APPENDIX-CHEMICAL CHARTS

SPIRAFLEX HOSE CHEMICAL RESISTANCE GUIDE

Thermoplastic Hose					
	Temp °F	Polyurethane/Spirathane	PVC/Plivoc Plus	TPE/Atac	TPR/Green Hornet
A = May be used for Continuous Service					
B = May be used for Intermittent Service					
X = Do not Use					
I = Insufficient Data					
Methylalyl Chloride	70°	X	X	X	X
Methyl Propyl Ether	70°	I	I	A	I
Methyl Propyl Ketone	70°	I	X	I	I
Methylalyl Acetate	70°	I	X	I	I
Methylene Bromide	70°	X	X	X	I
Methylene Chloride	---	X	X	X	X
Mineral Spirits	70°	I	B	I	I
Monochlorobenzene	70°	X	X	X	X
Monochlorodibluoromethane	70°	I	X	I	I
Muriatic-Acid	70°	I	B	A	B
N					
Naphtha	70°	B	B	B	X
Naphthalene	70°	B	X	B	X
Natural Gas	No hose is recommended for this service				
Nickel Chloride	70°	A	A	A	B
Nickel Nitrate	70°	A	A	A	B
Nickel Sulfate	70°	A	A	A	A
Nitric Acid 10%	70°	A	A	A	B
Nitric Acid 20%	70°	A	B	A	B
Nitric Acid 30%	70°	B	B	A	B
Nitric Acid 30-70%	70°	X	X	X	X
Nitro Benzene	70°	X	X	X	X
Nitrogen Gas	70°	A	A	A	A
Nitrous Oxide	70°	A	A	A	B
O					
Octanol	70°	I	A	I	B
Octyl Acetate	70°	I	X	I	I
Oil Petroleum	70°	A	B	A	I
Oleic Acid	70°	B	B	B	B
Oleum	70°	X	X	X	X
Orthodichlorobenzene	70°	I	X	I	I
Orthodichlorobenzol	70°	I	X	I	I
Oxalic Acid	70°	A	A	A	A
Oxygen	No hose is recommended for this service				

Thermoplastic Hose					
	Temp °F	Polyurethane/Spirathane	PVC/Plivoc Plus	TPE/Atac	TPR/Green Hornet
A = May be used for Continuous Service					
B = May be used for Intermittent Service					
X = Do not Use					
I = Insufficient Data					
Ozone	70°	B	B	B	B
P					
Palmitic Acid	70°	B	B	B	b
Papermakers Alum	70°	I	A	I	I
Paradichlorobenzol	70°	I	X	I	I
Paraffin	70°	B	A	B	I
Pentachloroethane	70°	I	I	X	I
Pentane	70°	B	B	I	X
Pentanol	70°	I	A	I	I
Perchloroethylene	70°	X	X	X	X
Petroleum Ether (Ligroin)	70°	A	B	I	X
Petroleum - Crude	70°	A	B	X	X
Petroleum Oils	70°	A	B	X	X
Phenol	70°	X	X	X	X
Phenolsulfonic Acid	70°	I	X	I	I
Phenyl Chloride	70°	I	I	X	X
Phosphoric Acid 10%	70°	A	A	A	A
Phosphoric Acid 10%-85%	70°	B	B	A	B
Polyethylene Glycol	70°	B	B	A	B
Polypropylene Glycol	70°	B	B	A	B
Potassium Acetate	70°	I	A	A	B
Potassium Bisulfate	70°	A	A	A	B
Potassium Bisulfite	70°	A	A	A	B
Potassium Carbonate	70°	A	A	A	A
Potassium Chloride	70°	A	A	A	A
Potassium Chromate	70°	A	A	A	B
Potassium Dichromate	70°	A	A	A	B
Potassium Hydrate	70°	I	A	I	B
Potassium Hydroxide	70°	B	A	A	B
Potassium Nitrate	70°	A	A	A	B
Potassium Silicate	70°	I	A	I	B
Potassium Sulfate	70°	A	A	A	B
Potassium Sulfide	70°	A	A	A	B
Potassium Sulfite	70°	A	A	A	B

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



APPENDIX-CHEMICAL CHARTS

SPIRAFLEX HOSE CHEMICAL RESISTANCE GUIDE

Thermoplastic Hose					
A = May be used for Continuous Service B = May be used for Intermittent Service X = Do not Use I = Insufficient Data	Temp °F	Polyurethane/Spirathane	PVC/Plivoc Plus	TPE/Atac	TPR/Green Hornet
Propanediol	70°	I	A	I	B
Propanol	70°	I	A	I	B
Propyl Acetate	70°	I	X	I	I
Propyl Alcohol	70°	A	A	B	B
Propyl Chloride	---	X	X	X	X
Propylene Dichloride	70°	X	X	X	X
Propylene Glycol	70°	A	I	A	A
S					
Sea Water	70°	A	A	A	A
Silicate of Soda	70°	I	B	A	A
Soda Ash	70°	A	A	A	A
Soda, Caustic	70°	A	B	A	A
Soda, Lime	70°	I	B	A	I
Soda, Niter	70°	I	B	I	A
Sodium Acetate	70°	A	B	A	B
Sodium Aluminate	70°	I	A	A	B
Sodium Bisulfate	70°	A	A	A	A
Sodium Bisulfite	70°	I	A	A	A
Sodium Carbonate	70°	A	A	A	A
Sodium Chloride (brine)	70°	A	A	A	A
Sodium Chromate	70°	I	A	I	I
Sodium Dichromate	70°	A	A	A	B
Sodium Hydrate	70°	I	A	I	I
Sodium Hydrochlorite	70°	A	A	B	B
Sodium Hydroxide	70°	A	A	A	A
Sodium Hypochlorite	70°	A	A	A	A
Sodium Nitrate	70°	A	A	A	A
Sodium Silicate	70°	A	A	A	A
Sodium Sulfate	70°	A	A	A	A
Sodium Sulfide	70°	A	A	A	A
Sodium Sulfite	70°	A	A	A	A
Sodium Thiosulfate	70°	A	A	A	A
Stannic Chloride	70°	A	A	A	B
Stannic Sulfide	70°	I	A	I	I

Thermoplastic Hose					
A = May be used for Continuous Service B = May be used for Intermittent Service X = Do not Use I = Insufficient Data	Temp °F	Polyurethane/Spirathane	PVC/Plivoc Plus	TPE/Atac	TPR/Green Hornet
Stannous Chloride	70°	I	A	I	I
Stannous Sulfide	70°	I	A	I	I
Stearic Acid	70°	A	A	A	A
Sulfonic Acid	70°	I	B	I	I
Sulfur Dioxide (Liquid)	70°	X	X	X	X
Sulfuric Acid (Dry)	70°	A	A	A	A
Sulfuric Acid 25%	70°	A	A	A	A
Sulfuric Acid 25-50%	70°	A	A	A	A
Sulfuric Acid 50-96%	70°	X	X	B	B
Sulfuric Acid Fuming	70°	X	X	X	X
Sulfurous Acid 10%	70°	B	B	B	A
Sulfurous Acid 10-75%	70°	X	X	X	X
T					
Tannic Acid	70°	B	B	B	A
Tar	---	I	X	I	I
Tartaric Acid	70°	A	A	A	A
Tertiary Butyl Alcohol	70°	B	B	B	I
Tetrachlorobenzene	70°	I	X	I	I
Tetrachloroethane	70°	I	X	X	X
Tetrachloroethylene	70°	I	X	X	X
Tetraethylene Glycol	70°	I	B	I	I
Tetrachloromethane	70°	I	X	I	X
Tetrachloronaphthalene	70°	I	X	I	X
Tetrahydrofuran	70°	X	X	X	X
Tin Chloride	70°	B	B	B	B
Tin Tetrachloride	70°	B	B	B	B
THF	70°	I	X	I	X
Toluene	70°	X	X	X	X
Toluidine	70°	I	X	I	I
Toluol	70°	X	X	X	X
Transmission Oil "A"	70°	A	B	I	I
Tributyl Phosphate	70°	X	X	X	X
Trichlorobenzene	70°	X	X	X	X
Trichloroethane	70°	I	X	X	X

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



APPENDIX-CHEMICAL CHARTS

SPIRAFLEX HOSE CHEMICAL RESISTANCE GUIDE

Thermoplastic Hose					
A = May be used for Continuous Service B = May be used for Intermittent Service X = Do not Use I = Insufficient Data	Temp °F	Polyurethane/Spirathane	PVC/Plivac Plus	TPE/Atac	TPR/Green Hornet
Trichloroethylene	70°	X	X	X	X
Trichloropropane	70°	I	I	X	X
Triethanolamine	70°	B	B	B	I
Triethylene Glycol	70°	I	B	I	B
Triphenyl Phosphate	70°	B	X	I	I
Trisodium Phosphate	70°	B	B	A	A
Turpentine	70°	B	B	A	X
U					
Urea	70°	A	A	A	A
Undecanol	70°	I	A	I	I
V					
V.M. & P. Naptha	70°	I	B	I	I
Vinyl Acetate	70°	I	X	I	X
Vinyl Benzene	70°	I	X	I	X
Vinyl Chloride	---	X	X	X	X
W					
Water	70°	A	A	A	A
Wood Alcohol	70°	B	B	B	A
X					
Xylene (Xylol)	70°	X	X	X	X
Xylidine	70°	I	X	I	I
Z					
Zinc Carbonate	70°	I	A	A	B
Zinc Chloride	70°	A	A	A	B
Zinc Chromate	70°	A	A	A	I
Zinc Sulfate	70°	A	A	A	B

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products

Chemical Charts
General
Information
Minimum Run
Requirements



APPENDIX-CHEMICAL CHARTS

NOTES

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
*Suction &
Discharge*
Washdown

Welding

Coupling
Systems

Appendix
*Additional
Products*

Chemical Charts
*General
Information*
*Minimum Run
Requirements*



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

APPENDIX-GENERAL INFORMATION

Chemical Properties of Fluoroethylenepropylene (FEP) As stated by E.I. du Pont de Nemours

FEP fluorocarbon resins are attacked by certain halogenated complexes containing fluorine including: chlorine trifluoride, bromine trifluoride, iodine pentafluoride and fluorine itself.

FEP is also attacked by such metals as sodium or potassium, especially in their molten states. Great care should be used when mixing finely divided fluorocarbon polymers with finely divided metals, such as aluminum, magnesium or barium, since these can react violently if ignited or heated to a high temperature. Certain complexes of these metals with ammonia or naphthalene (in either solvent) also attack the products. Certain metal hydrides such as boranes, aluminum chloride and certain amines have also been observed to attack fluorocarbon resins at elevated temperatures.

The following materials are inert to FEP:

Alcohols	Aldehydes
Aliphatic Hydrocarbons	Anhydrides
Aromatics	Chlorocarbons
Esters	Ethers
Fluorocarbons	Inorganic Bases
Inorganic Oxidizing Agents	Ketones
Organic Acids	Salt Solutions
Strong Mineral Acids	

FEP is a registered trademark with E.I. du Pont de Nemours.



APPENDIX-GENERAL INFORMATION

TEMPERATURE RANGE BY APPLICATION

Goodyear Hose	Min (°F)	Max (°F)	Min (°C)	Max (°C)	Application
Arctic Ortac	-65	180	-54	82	A & M: General Purpose
Braidair	-20	190	-29	88	A & M: General Purpose
Flexsteel Service Station Air	-20	190	-29	88	A & M: General Purpose
Gorilla	-20	190	-29	88	A & M: General Purpose
Horizon 200, 250 & 300	-40	190	-40	88	A & M: General Purpose
Ortac 250, 300 & 400	-20	190	-29	88	A & M: General Purpose
Pliovic GS	-10	158	-23	70	A & M: General Purpose
Pliovic Plus 250 & 300	-10	158	-23	70	A & M: General Purpose
Service Station Air	-40	190	-40	88	A & M: General Purpose
Wingfoot 200 & 300	-20	190	-29	88	A & M: General Purpose
Explorer Air	-40	220	-40	104	A & M: Heavy Duty
Explorer Plus Air	-40	220	-40	104	A & M: Heavy Duty
Plicord Air Green 400	-40	200	-32	82	A & M: Heavy Duty
Super Ortac	-20	200	-29	93	A & M: Heavy Duty
Autogrip	-40	200	-40	93	A & M: Push-on
Insta-Grip 250	-20	190	-29	88	A & M: Push-on
Insta-Grip 300	-40	190	-40	88	A & M: Push-on
Insta-Grip TC	-40	200	-40	93	A & M: Push-on
Ultra-Grip	-40	200	-40	93	A & M: Push-on
Blue Flexwing	-25	150	-32	66	Chemical Transfer
Brown Flexwing	-30	275	-34	135	Chemical Transfer
Fabchem	-40	150	-40	66	Chemical Transfer
Green XLPE	-25	150	-32	66	Chemical Transfer
HI-PER	-40	300	-40	149	Chemical Transfer
Orange Flexwing	-25	250	-32	121	Chemical Transfer
Purple Flexwing	-40	220	-40	104	Chemical Transfer
Viper	-40	250	-40	121	Chemical Transfer
Fortress 1000	-20	200	-29	93	Cleaning Equipment
Fortress 3000	-20	250	-29	121	Cleaning Equipment
Galvanator 3000	-20	250	-29	121	Cleaning Equipment
Gauntlet 1500	-20	200	-29	93	Cleaning Equipment
Gauntlet 3000	-20	250	-29	121	Cleaning Equipment
Gauntlet 4500	-20	250	-29	121	Cleaning Equipment
Neptune 1500	-20	200	-29	93	Cleaning Equipment
Neptune 3000	-20	250	-29	121	Cleaning Equipment
Neptune 4001-R	-20	250	-29	121	Cleaning Equipment
Neptune 4500	-20	250	-29	121	Cleaning Equipment
Neptune 6000	-20	250	-29	121	Cleaning Equipment
Spectra Washdown 1000	-20	250	-29	121	Cleaning Equipment
Spectra Washdown 3000	-20	250	-29	121	Cleaning Equipment
Whitewater	-20	250	-29	121	Cleaning Equipment

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

APPENDIX-GENERAL INFORMATION

TEMPERATURE RANGE BY APPLICATION

	Goodyear Hose	Min (°F)	Max (°F)	Min (°C)	Max (°C)	Application
Chemical Transfer	Exstatic	-25	180	-32	82	Food: Transfer
	Gray Flextra LT	-25	180	-32	82	Food: Transfer
	Harvest	-25	180	-32	82	Food: Transfer
Cleaning Equipment	Nutriflex	-15	158	-26	70	Food: Transfer
	Nutriflex Static Wire	-15	158	-26	70	Food: Transfer
	Nutriflo	-15	158	-26	70	Food: Transfer
Food Transfer Washdown	Plicord Blue Flour	-40	180	-40	82	Food: Transfer
	Plicord Brewline	-40	220	-40	104	Food: Transfer
	Plicord Gray Food	-25	180	-32	82	Food: Transfer
Marine	Plicord Wineline	-40	220	-40	104	Food: Transfer
	Pliovic FG (FDA-3A)	-10	158	-23	70	Food: Transfer
	Potable Water	-25	180	-32	82	Food: Transfer
Material Handling Abrasives Bulk Transfer Cement & Concrete	Spirathane PT	0	158	-18	70	Food: Transfer
	Vintner	-30	220	-34	104	Food: Transfer
	White Flextra	-25	250	-32	121	Food: Transfer
Mining	White Flexwing	-25	250	-32	121	Food: Transfer
	Fortress 300	-20	200	-29	93	Food: Washdown
	Fortress 1000	-20	200	-29	121	Food: Washdown
Petroleum Aircraft Fueling Dispensing Dock Transfer	Fortress 3000	-20	200	-29	121	Food: Washdown
	Gauntlet 1500	-20	200	-29	93	Food: Washdown
	Plicord Washdown	-25	200	-32	93	Food: Washdown
Spray	Sani-Wash 300	-40	200	-40	93	Food: Washdown
	Spectra 300	-20	200	-29	93	Food: Washdown
	Spectra 1000	-20	250	-29	121	Food: Washdown
Steam	Spectra 3000	-20	250	-29	121	Food: Washdown
	Artrac	-30	158	-34	70	Material Handling: Abrasives
	Blucor	-25	180	-32	82	Material Handling: Abrasives
Vacuum	Diversipipe 75	-40	180	-40	82	Material Handling: Abrasives
	Diversipipe 150	-40	180	-40	82	Material Handling: Abrasives
	Diversiflex	-25	180	-32	82	Material Handling: Abrasives
Water Discharge Suction & Discharge Washdown	Flexible Downspout	-25	180	-32	82	Material Handling: Abrasives
	Lightrac	-30	158	-34	70	Material Handling: Abrasives
	Nutriflex Static Wire	15	158	-12	70	Material Handling: Abrasives
Welding	Plicord Blast	-25	180	-32	82	Material Handling: Abrasives
	Plicord Dredge Sleeve	-25	180	-32	82	Material Handling: Abrasives
	Plicord RVC	-20	180	-29	82	Material Handling: Abrasives
Coupling Systems	Plicord Sand Suction	-25	180	-32	82	Material Handling: Abrasives
	Plicord XF Blast	-25	180	-32	82	Material Handling: Abrasives
	Sandblast Deadman	-20	190	-29	88	Material Handling: Abrasives
	Spirathane HD	0	158	-18	70	Material Handling: Abrasives
	Spirathane LD	0	158	-18	70	Material Handling: Abrasives
	Spirathane PT	0	158	-18	70	Material Handling: Abrasives

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



APPENDIX-GENERAL INFORMATION

TEMPERATURE RANGE BY APPLICATION

Goodyear Hose	Min (°F)	Max (°F)	Min (°C)	Max (°C)	Application
Black Softwall	-25	180	-32	82	Material Handling: Bulk Transfer
Exstatic	-25	150	-32	66	Material Handling: Bulk Transfer
Flextra Dry Material	-40	180	-40	82	Material Handling: Bulk Transfer
Harvest	-25	180	-32	82	Material Handling: Bulk Transfer
Plicord Torridair Hot Air Blower	-40	400	-40	204	Material Handling: Bulk Transfer
Pyroflex II Hot Air	-20	325	-29	163	Material Handling: Bulk Transfer
Tan Flextra	-40	180	-40	82	Material Handling: Bulk Transfer
Tan Flexwing	-40	180	-40	82	Material Handling: Bulk Transfer
Tan Softwall	-40	180	-40	82	Material Handling: Bulk Transfer
Allcrete Wire	-40	180	-40	82	Material Handling: Cement & Concrete
Plicord Auger Arc Piling	-35	180	-37	82	Material Handling: Cement & Concrete
Plicord Gunitite (tan)	-40	180	-40	82	Material Handling: Cement & Concrete
Allcrete Textile (plaster, grout & concrete)	-25	180	-32	82	Material Handling: Cement & Concrete
Brigade Mine	-10	150	-23	66	Mining
Flextra Rock Dust	-25	200	-32	93	Mining
M&P Mine Conduit	-20	200	-29	93	Mining
Mine Spray	0	200	-18	93	Mining
Plicord Ammonium Nitrate Pellet	-25	200	-32	93	Mining
Plicord Mine Conduit	-40	200	-40	93	Mining
Spiraflex Cable Guard	0	150	-18	66	Mining
Spiraflex Rock Dust	0	158	-18	70	Mining
Spiraflex Yellow	-10	150	-23	66	Mining
Advantage	-35	200	-37	93	Petroleum: Aircraft
Deadman Aircraft Refueling	-20	140	-29	60	Petroleum: Aircraft
Jet Ranger	-35	200	-37	93	Petroleum: Aircraft
Refueling Sensing	-20	140	-29	60	Petroleum: Aircraft
Wingcraft	-35	200	-37	93	Petroleum: Aircraft
Aggie Gas	-30	140	-34	60	Petroleum: Dispensing
Ambassador	-40	140	-40	60	Petroleum: Dispensing
Arctic Softwall Plus	-65	140	-54	60	Petroleum: Dispensing
BC Gasoline	-40	140	-40	60	Petroleum: Dispensing
BC Marina	-40	140	-40	60	Petroleum: Dispensing
Flexsteel Hardwall	-40	140	-40	60	Petroleum: Dispensing
Flexsteel Vapor Assist	-40	140	-40	60	Petroleum: Dispensing
Maxxim Premier	-40	140	-40	60	Petroleum: Dispensing
Maxxim Premier Plus	-40	140	-40	60	Petroleum: Dispensing
Pacer	-40	140	-40	60	Petroleum: Dispensing
Redwing Fuel Oil	-40	140	-40	60	Petroleum: Dispensing
Flexdock 225	-25	200	-32	93	Petroleum: Dock
Flexdock 300	-25	200	-32	93	Petroleum: Dock
Hot Tar & Asphalt Rough Bore	-25	350	-32	177	Petroleum: Dock
Hot Tar & Asphalt Smooth Bore	-25	350	-32	177	Petroleum: Dock

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

APPENDIX-GENERAL INFORMATION

TEMPERATURE RANGE BY APPLICATION

	Goodyear Hose	Min (°F)	Max (°F)	Min (°C)	Max (°C)	Application
Chemical Transfer	Smooth Bore Dock 200	-25	200	-32	93	Petroleum: Dock
	Smooth Bore Dock 300	-25	200	-32	93	Petroleum: Dock
Cleaning Equipment	Tanker Barge Discharge	-25	220	-32	104	Petroleum: Dock
	Thor Submarine	-25	180	-32	82	Petroleum: Dock
	Vapor Recovery Dock	-25	200	-32	93	Petroleum: Dock
	Flextra Oilfield	-25	180	-32	82	Petroleum: Transfer
Food Transfer Washdown	Flexwing Oilfield	-25	180	-32	82	Petroleum: Transfer
	Paladin	-40	160	-40	71	Petroleum: Transfer
	Plicord Arctic Flextra	-65	180	-54	82	Petroleum: Transfer
	Plicord Arctic Flexwing	-65	180	-54	82	Petroleum: Transfer
Marine	Plicord Flexwing Petroleum	-35	200	-37	93	Petroleum: Transfer
	Plicord Fuel Discharge	-35	180	-37	82	Petroleum: Transfer
	Plicord LW Black Flextra II	-40	180	-40	82	Petroleum: Transfer
	Plicord Super Black Flexwing	-35	200	-37	93	Petroleum: Transfer
Material Handling Abrasives Bulk Transfer Cement & Concrete	Plicord Waste Mate	-25	180	-32	82	Petroleum: Transfer
	Pyroflex Hot Tar & Asphalt	-25	350	-32	177	Petroleum: Transfer
	Pyroflex Hot Tar Wand	-25	350	-32	177	Petroleum: Transfer
	Red Flextra 100 & 150	-30	180	-34	82	Petroleum: Transfer
Mining	Redwing Fuel Oil	-40	180	-40	82	Petroleum: Transfer
	Spiraflex Polyurethane Vapor Recovery	-30	0	-34	66	Petroleum: Transfer
	Mine Spray	0	200	-18	93	Spray
	NR Spray	0	190	-18	88	Spray
Petroleum Aircraft Fueling Dispensing Dock Transfer	Pliovic Ag Spray (1800 & 2400)	0	158	-18	70	Spray
	Flexsteel 250 CB Steam	0	425	-18	218	Steam
	Flexsteel 250 ORS Steam	0	425	-18	218	Steam
	Flexsteel 250 Steam	0	450	-18	232	Steam
Spray	Heavy Duty Steam Pile Driver	-40	406	-40	205	Steam
	Plicord 250 Steam	0	406	-18	208	Steam
	Whitewater	-20	325	-29	163	Steam
	Goodyear 250 Crimped Steam Assembly	0	450	-18	232	Steam
Steam	Artrac	-30	158	-34	70	Vacuum
	Lightrac	-30	158	-34	70	Vacuum
	Plicord HD Industrial Vacuum	-40	180	-40	82	Vacuum
	Plicord HD Vacuum	-25	180	-32	82	Vacuum
Vacuum	Plicord Vacuum	-25	180	-32	82	Vacuum
	Spiraflex Ducting	-25	180	-32	82	Vacuum
	Spiraflex Grassvac	0	158	-18	70	Vacuum
	Spiraflex Vacuum	-30	150	-34	66	Vacuum
Water Discharge Suction & Discharge Washdown	Spirathane HD	0	158	-18	70	Vacuum
	Spirathane LD	0	158	-18	70	Vacuum
	Spirathane PT	0	158	-18	70	Vacuum
	Fortress 300	-20	200	-29	93	Water: Washdown
Welding	Fortress 1000	-20	200	-29	93	Water: Washdown
	Fortress 3000	-20	250	-29	121	Water: Washdown
	Gauntlet 1500	-20	200	-29	93	Water: Washdown
	Plicord Washdown	-25	200	-32	93	Water: Washdown

Appendix

Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



APPENDIX-GENERAL INFORMATION

TEMPERATURE RANGE BY APPLICATION

Goodyear Hose	Min (°F)	Max (°F)	Min (°C)	Max (°C)	Application
Pulp & Paper Washdown	-25	200	-32	93	Water: Washdown
Sani-Wash 300	-40	190	-40	88	Water: Washdown
Spectra	-20	250	-29	121	Water: Washdown
Spectra 1000	-20	250	-29	121	Water: Washdown
Spectra 3000	-20	250	-29	121	Water: Washdown
Sureline	-40	190	-40	88	Water: Washdown
Brigade Mine	-10	150	-23	66	Water: Discharge
Fire Engine Booster	0	180	-18	82	Water: Discharge
Potable Water	-25	180	-32	82	Water: Discharge
Pathfinder Garden Hose	-40	190	-40	88	Water: Discharge
Plicord Furnace Door	-25	200	-32	93	Water: Discharge
Plicord HD Water Discharge	-25	180	-32	82	Water: Discharge
Plicord Versiflo 125	-25	180	-32	82	Water: Discharge
Plicord Water Discharge 150	-25	180	-32	82	Water: Discharge
Spiraflex Blue	0	150	-18	66	Water: Discharge
Spiraflex Gray	-10	150	-23	66	Water: Discharge
Spiraflex Green	0	150	-18	66	Water: Discharge
Spiraflex Red	-10	150	-23	66	Water: Discharge
Spiraflex Yellow	-10	150	-23	66	Water: Discharge
Agflex	15	158	-9	70	Water: Suction & Discharge
Green Hornet	-20	180	-29	82	Water: Suction & Discharge
Plicord Con-Ag Water S&D	-40	180	-40	82	Water: Suction & Discharge
Plicord Water S&D	-25	180	-32	82	Water: Suction & Discharge
Premier	-30	158	-34	70	Water: Suction & Discharge
Spiraflex Aggie PVC	15	158	-9	70	Water: Suction & Discharge
Spiraflex 1500	15	158	-9	70	Water: Suction & Discharge
Spiraflex 1600	15	158	-9	70	Water: Suction & Discharge
Spiraflex 1700	15	158	-9	70	Water: Suction & Discharge
Versiflo 150 Water S&D	-25	200	-32	93	Water: Suction & Discharge
Yukon	-30	150	-34	66	Water: Suction & Discharge
Gemini Twin Line Welding (Grade R)	-40	120	-40	49	Welding
Gemini Twin Line Welding (Grade RM)	-40	120	-40	49	Welding
Gemini Twin Line Welding (Grade T)	-20	120	-29	49	Welding
Wingfoot Welding (Grade R)	-40	120	-40	49	Welding
Wingfoot Welding (Grade RM)	-40	120	-40	49	Welding
Wingfoot Welding (Grade T)	-50	120	-46	49	Welding

Method for Steam Cleaning Goodyear Viper, Fabchem and Fabchem ARC

- 1.) Hose must be **open-ended** during steam cleaning.
- 2.) Temperature of Steam—**Maximum 288°F**.
- 3.) Length of Cleaning Time—**5 to 10 minutes**...Not more than 15 minutes.
- 4.) Care must be taken **not to score** the tube (liner) with the nozzle or wand end.
- 5.) Prolonged steam jet contact on a specific area of the tube (liner) **could cause tube damage**.



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

APPENDIX-GENERAL INFORMATION

PALADIN DROP HOSE COUPLING PROCEDURE USING CAM AND GROOVE FITTINGS WITH GOODYEAR BANDING COIL

1. If hose conductivity is required refer to NAHAD Hose Assembly Guidelines.
2. Cut banding coil to appropriate length (approximately 6" to 8" of banding coil per hose end) to insure complete coverage of the coupling insert inside the hose.
3. Looking down the end of the hose, screw or band, **in a counter-clockwise motion**, the banding coil onto the end of the hose; filling the cover depressions between the PVC helix.
4. Install the fitting insert into the end of the hose.
5. Making sure the banding coil is tight around the hose, and properly filling the cover depressions, install the first 3/4" metal hose strap (closest to the hose end) so when tension is applied, the 3/4" metal strap will rotate **in a counter-clockwise motion** causing the banding coil to tighten down further onto the hose.
6. Install the second metal hose strap (properly spaced) behind the first metal strap using the same procedure as outlined in #5 above.

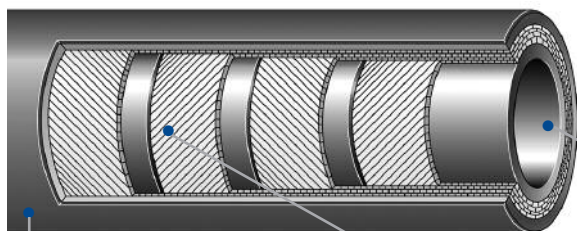
TECHNICAL RECOMMENDATIONS:

- The **counter-clockwise** motion is required. Application of the 3/4" metal straps in any other fashion will cause loosening of the banding coil and reduced coupling retention.
- 3" I.D. drop hose requires a 2 1/2" banding coil.
- 4" I.D. drop hose require a 3 1/2" banding coil.
- Ten (10) turns of the banding coil will assure coverage of the coupling insert, regardless of the hose I.D.
- **Always** align the 3/4" metal straps with the coupling insert barbs or nodes. To be sure the metal straps are in the proper position, it is recommended the hose cover be marked where the barbs/nodes are located.
- The use of two (2) each 3/4" stainless steel, "performed," center punched or rolled over metal straps is recommended.
- Tightening the 3/4" metal straps with a hand tool is recommended.

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



APPENDIX-GENERAL INFORMATION



Basic Hose Construction

COVER The cover is the outermost or visible area of the hose. It is designed to be a protective covering against wear, abrasion, cuts, weather, and the general destructive action encountered in normal service.

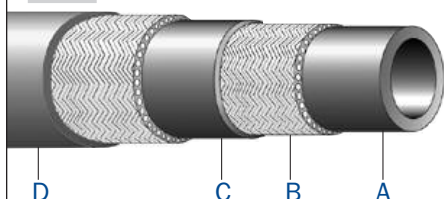
BODY or CARCASS The body reinforcement is the supporting structure of the hose. It can range from simple to complex combinations and consists of cord, yarn, fabric, wire, or any combination of these.

TUBE or LINING The tube is the inner-most element of a hose and is compounded to provide resistance to the material being carried. With the wide range of rubber compounds available, a hose can be built to withstand abrasive materials, chemicals, oil and a wide variety of other materials.

The Four Basic Methods Of Hose Construction

Although Goodyear makes more than 2,000 types of hose for specialized applications, there are only four basic construction methods used. Since each of these four methods embodies certain fundamental characteristics that make it particularly suitable for certain functions, an understanding of these methods may assist you in making the best use of this catalog. Keep in mind that a reference to any one of these types of construction will imply all the characteristics and benefits outlined here plus specific features attained through the proper compounding of rubber, choice materials, and variation in plies and thickness to ensure that each hose is exactly right for the job for which it is designed.

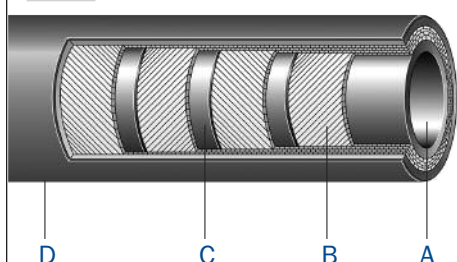
Type 1



TYPE 1: Vertical Braided Hose
Entire hose length cured in one operation.

- A. Extruded seamless tube.
- B. Seamless reinforcing braids of synthetic textile wire, or other material – applied by high speed vertical or horizontal braiders.
- C. Rubber layers between braids establish positive bond between braids when vulcanized.
- D. Extruded, seamless cover.

Type 2



TYPE 2: Spiral Hose
Built by machine with either textile or wire cord reinforcement applied so that each ply is laid at a given angle for maximum dimensional stability.

- A. Extruded or calendered tube.
- B. Reinforcement of synthetic textile wire or other material.
- C. Rubber layers between reinforcement plies to establish positive bond.
- D. Cover.

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
**General
Information**
Minimum Run
Requirements



APPENDIX-GENERAL INFORMATION

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix

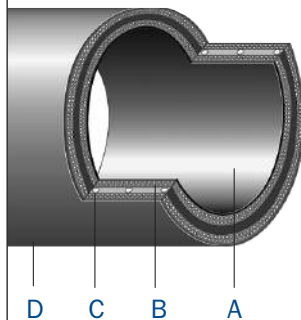
*Additional
Products*

Chemical Charts

*General
Information*

*Minimum Run
Requirements*

Type 3

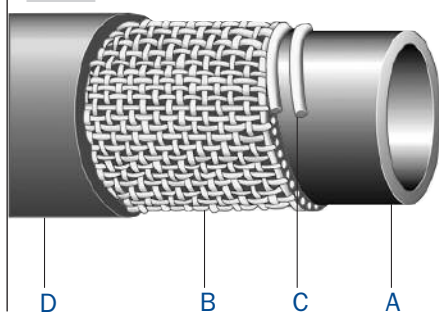


TYPE 3: Hand -Built Spiral-Plied Hose

Built by hand on a mandrel. Cured under pressure applied from outside by cloth wraps and steam.

- A. Calendered, or "built-up" tube to fit service.
- B. Tailor-made spiral-wrapped fabric.
- C. Wire reinforcement where needed.
- D. Cover stock of selected gauge and compound. Wrap cured.

Type 4



TYPE 4: Knitted Hose

- A. Extruded seamless tube.
- B. Seamless woven textile jacket.
- C. Interwoven wire helix reinforcement where needed.
- D. Extruded seamless cover.

ADVANTAGES

TYPE 1 Braided Hose

Flexible. High resistance to kinking. Cover either smooth or wrapped. Available in long continuous lengths. Excellent tensile strength.

TYPE 2 Spiral Hose

Extremely flexible. Smooth bore, uniform tube. High strength with long length capability.

TYPE 3 Hand-Built Spiral-Plied Hose

Craftsman-built to special requirements. Wide variation in sizes, constructions, and materials. Built-in strength to fit most rugged job requirements. Couplings, fittings, nipples, flanges and beaded ends can be built in. Available in lengths up to 50 feet, in sizes up to 18 inches. On larger diameters, consult your Goodyear representative.



APPENDIX-GENERAL INFORMATION

Definitions Of Hose Ends

Plain End



All hose construction elements (including wire, if wire is used as a reinforcing member) are exposed. The hose always has the same inside diameter throughout. In the case of certain hand-built specifications having wire reinforcement, the wire and fabric reinforcement are not exposed.

All vertical spiral hose is available only with plain ends.

Horizontal spiral and wrapped ply machine-built hose is furnished with plain ends unless otherwise specified in the pricebook.



Built-In Nipple End



The hose end is integrally built around and bonded to the nipple body. The hose reinforcing materials are also anchored to the nipple.

The nipples used are generally fabricated from pipe. Nipples made from standard pipe will be full bore only when pipe 12" and under is used since nominal pipe sizes over 12" are described by **pipe OD and not ID**.

Available only in hand-built hose constructions.



Swaged End



Primarily used on petroleum OS&D dock hose as an alternative to built-in nipples. The steel (carbon or stainless) stem/coupling accommodates threaded, slip-on or welded flanged ends. Stem/coupling attached to hose with swaged steel ferrule over the cover.



Enlarged End



The hose end is enlarged to accommodate the outside diameter of the shank of a fitting plus the depth of the shank. The helical wire is terminated at the enlarged end.

The inside diameter of a "standard" enlarged end is the same dimension as the outside diameter of the same nominal pipe size. (Example—6" ID hose enlarged to 6 5/8" at the end, handles a 6" size pipe which has a 6 5/8" OD.)

Normally used in hand-built hose constructions.



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
 Multipurpose
 General Purpose
 Heavy Duty
 Push-on

 Chemical
 Transfer

 Cleaning
 Equipment

 Food
 Transfer
 Washdown

Marine

Material Handling

 Abrasives
 Bulk Transfer
 Cement & Concrete

Mining

 Petroleum
 Aircraft Fueling
 Dispensing
 Dock
 Transfer

Spray

Steam

Vacuum

 Water
 Discharge
 Suction &
 Discharge
 Washdown

Welding

 Coupling
 Systems

Appendix

 Additional
 Products

Chemical Charts

**General
 Information**

 Minimum Run
 Requirements

APPENDIX-GENERAL INFORMATION

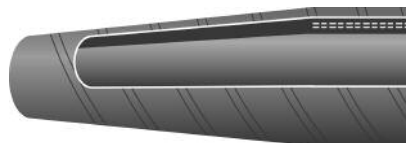
Definitions Of Hose Ends

Integral Rubber Tapered Nozzle End

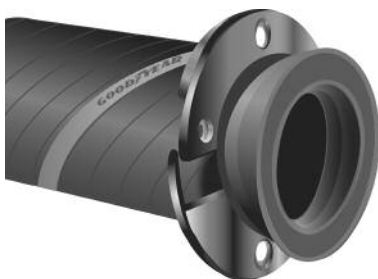


The inside diameter and the outside diameter of the hose end are gradually tapered down to form a nozzle. The hose reinforcement is also extended to the end of the nozzle. A rubber end cap is then added to protect the reinforcement and properly shape the nozzle.

This type of nozzle is available only in non-wire inserted horizontal spiral and wrapped ply machine-built hose.



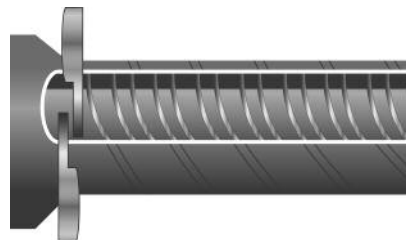
Rubber Beaded End



A flared bell shape, molded as an integral part of the hose. The reinforcing fabric of the hose body is extended beyond the straight portion of the hose and anchored around a circular steel reinforcing ring.

A reattachable split malleable iron flange is placed behind the rubber bead to act as a metal bearing surface for bolt heads and nuts. Bolts used to connect mating flanges pass over the outside diameter of the beaded end.

Normally used in hand-built hose constructions.



Integral Rubber Flanged End



Shaped similar to a metal pipe flange. It is molded as an integral part of the hose with the tube, fabric reinforcement (not wire) and cover extending to the outside diameter of the rubber flange.

The rubber flange has holes to match customer requirements. In addition, solid metal "backup" rings (drilled to match the rubber flange holes) are always placed behind the rubber flange to provide a metal bearing surface for bolt heads and nuts.

Available only in hand-built hose constructions.



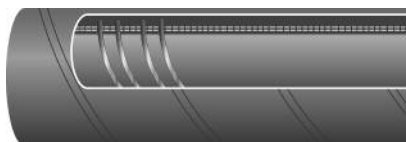
Soft End



The helical wire reinforcement is terminated several inches back from the end of the hose.

When a hose has either a corrugated cover or tube or both, a soft end is generally used and always has a smooth inside diameter and outside diameter.

Normally used in hand-built hose constructions.



APPENDIX-GENERAL INFORMATION

ELASTOMERS USED IN THE MANUFACTURE OF "RUBBER TYPE" PRODUCTS

Goodyear Tradename	Industry Designation	Outstanding Feature	Sample Hose
Alphasyn®	Modified Cross-Link Polyethylene	Excellent high-temperature chemical resistance.	Tube compound in Viper chemical transfer hose.
Carbryn®	Carboxylated Nitrile	Excellent oil and abrasion resistance, good chemical resistance.	Cover compound on multipurpose hose: Gorilla and Ortac, pressure washer hose: Galvanator and Gauntlet.
Nitrile	Nitrile OR Buna-N	Oil, solvent and aromatics resistance.	Tube and cover compound in premium air and multipurpose hose, petroleum transfer hose: Gorilla, Ortac, Flexwing Petroleum.
Chemivic®	Buna-N-Vinyl	Oil and abrasion resistant compound. Excellent ozone resistance.	Cover compound air/mp hose. Tube compound in food hose: White Flexwing.
Chemrin®	Chlorinated Polyethylene (CPE)	Excellent chemical resistance.	Tube compound chemical hose: Brown Flexwing.
Chlorobutyl	Chlorobutyl	FDA compliant material in foodhose. Excellent heat resistance.	Tube compound in food hose and Chlorobutyl 250 Steam Hose.
Flosyn®	Viton	Excellent oil and chemical resistance.	Tube compound in Orange Flexwing chemical hose.
Hysunite®	Hypalon	Chemical- and oil-resistant.	Tube compound in chemical transfer hose: Yellow Flexwing.
Nylon	Nylon	Resistant to many paint sprays, lacquers, thinners, and mild chemicals.	Tube compound in NR Paint Spray.
Omegasyn™	EPDM (abrasion-resistant)	Excellent abrasion resistance. Mild chemical resistance.	Cover compound: Viper.
Plioflex®	SBR	Good abrasion resistance.	Tube and cover compound in water suction and discharge hose: Plicord Water S&D.

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

APPENDIX-GENERAL INFORMATION

ELASTOMERS USED IN THE MANUFACTURE OF "RUBBER TYPE" PRODUCTS

Goodyear Tradename	Industry Designation	Outstanding Feature	Sample Hose
Pliosyn®	Ultra High Molecular Weight Polyethylene	Excellent chemical resistance. Good flexibility properties.	Tube compound in Fabchem chemical hose.
Pliovic®	Polyvinyl Chloride	Lightweight, flexible and economical.	Pliovic 250, Spiraflex 1600.
Pureten®	Natural Rubber	Excellent abrasion resistance, resilient, tensile strength, retains flexibility below 0°F (Poor ozone).	Tube compound in material handling hose: Blucor, Harvest, and Tan Flexwing.
Speclar®	Cross-Link Polyethylene	Excellent chemical resistance.	Tube compound in Blue Flexwing chemical hose.
Spirathane®	Urethane	Excellent abrasion resistance and good chemical resistance.	Spirathane LD and inner liner of Spirathane HD.
Teflon®	Fluorinated Propylene OR Teflon	Excellent chemical and petroleum resistance.	Tube compound in Hi-Per Teflon Hose.
TPE	Thermoplastic Elastomer	Heat- and/or cold-resistant, flexible and resistant to solvents.	Artrac, Premier.
Tufsyn®	Polybutadiene Blend	Good tensile strength, high elongation, abrasion resistance, nonstatic properties.	Tube compound in Plicord Blast, Plicord Dredge Sleeve, Sand Suction
Versigard®	EPDM	Heat- and/or cold-resistant, weather and ozone resistant, mild chemical resistance.	Tube and cover compound in multipurpose hose: Horizon, cover compound on chemical hose: Fabchem.
Weatherex®	Butyl	Low permeability to air and gas; outstanding dampening and shock effect.	Tube compound in chemical transfer hose: Yellow Flexwing.
Wingprene®	Neoprene (DuPont)	All purpose elastomer; good oil, heat and chemical resistance; very good ozone resistance.	Cover compound in petroleum transfer hose: Super Black Flexwing, and Red Flextra.

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix

Additional
Products

Chemical Charts

General
Information

Minimum Run
Requirements



APPENDIX-GENERAL INFORMATION

How To Select The Right Hose

In order to obtain the best service from any particular hose application, two important conditions must be fulfilled:

1. To select the right hose for the job.
2. To make sure, that after having obtained the right hose, it is fitted correctly and used in a proper manner.

When considering a particular hose application, the following basic factors should be considered:

1. Inside diameter.
2. Outside diameter.
3. Materials being conveyed (e.g., air, water, acids, oils, steam, etc.).
4. Precise composition of substance (important in the case of oils, solvents, spraying media, foods, beverages, petroleum products, gases, etc.).
5. Concentration (in the case of chemicals).
6. Maximum temperature of substance.
7. Maximum pressure (including any possible surge or back pressure).
8. Degree of vacuum (in the case of suction hose).
9. External conditions. The scope of this factor is possibly the widest of all and covers such things as:
Abrasion.
Climactic conditions.
Direct heat.
Radiated heat.
Contamination from oil, grease, solvents, acids, etc.
End loads.
Flexings — degree and cycle.
Crushing conditions.
Kinking conditions.
10. Details of couplings (particularly in specialized applications).

Steam Hose

Air, steam, and water hoses are the three types of hose most used in industrial plants. The following instructions apply in general to these types of hose. Since steam service is usually the most severe in the average plant, particular attention is directed to steam hose. In selecting a hose for a steam installation it is important that the type recommended is sufficient to handle the maximum working pressure. Your Goodyear representative will assist in making recommendations.

At elevated temperatures, steam severely affects rubber hose of all types, so it is important that temperature be considered in the choice of a steam hose. High steam temperature and pressure can cause deterioration in certain reinforcing members used in hose and a relatively small increase in temperature can greatly affect hose performance.

The steam pressure is important in that it determines the minimum temperature condition under which the hose will be used. If the steam is saturated, its temperature is directly related to its pressure. The temperature may be determined from the Saturated Steam Table on page 291. However, if steam is superheated, the degree of superheating must be known to determine the actual temperature which the hose must withstand.

The flex factor takes into consideration the magnitude of the flexing and its time cycle. A flexing that is rapid and continuous, even though of small magnitude, would be considered as severe as flexing that is large in magnitude but with an extremely long time cycle. The degree of flexing is an important factor in the ultimate life of the hose.

Refer to R.M.A. Technical Information Bulletin #1P-11-1.

Air Hose

Goodyear offers many fine types of air hose, equipped with tough, abrasion-resisting covers and with tube stocks which will successfully resist oil mist, if present. Where tools are lubricated through hose, only the very best quality air hose with highest grade oil-resisting tube should be used. The recommended working pressure should be sufficient to withstand the maximum pressures encountered.

Water Hose

In the selection of the correct water hose for any service, the same principles apply as for air and steam hose.

Suction Hose

Most Goodyear vacuum or suction hose are designed to withstand full vacuum. However, in some of the lighter styles, less than full vacuum is recommended.

Use the information in this catalog to help determine the best hose for your application. To assist your efforts to collect the data necessary to make a proper hose recommendation, use the form on the next page.

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix

Additional
Products

Chemical Charts

General
Information

Minimum Run
Requirements

INDUSTRIAL HOSE INQUIRY / RECOMMENDATION



APPENDIX-GENERAL INFORMATION

SIZE:		PRESSURE(S):	
I.D.		Working Pressure (including surges)	
O.D.		Burst Pressure	
Hose Length (OAL or uncpd lgth)		Suction or Vacuum Requirements	
Tolerances		Velocity	
		Impulse	
TEMPERATURE:		ENDS & FITTINGS:	
of Material Being Conveyed (High, Low, Ambient)		Factory Applied Fittings: type of threads	
of Outside Exposure (High, Low, Ambient)		Male / Female	
Intermittent?		Reusable / Nonreusable	
Constant?		Material for Fittings	
Sub-zero Exposure?		Built-in Fittings / Ends:	
		Beaded	
		Flanged	
		Rubber-Lined	
		Other	
		Cut to Length	
		Crimp Specs / Crimper (Hydraulics)	
APPLICATION(S):		DELIVERY:	
Indoor and/or Outdoor Use		Leadtime	
Intermittent or Continuous Use		Quantity	
Flexibility Required (min. bend radius)		Stock / Nonstock	
Movement (Static, Vibrations, Flexing)		Special Print	
External Conditions: Abrasion		Special Packaging	
Oil		OTHER INFORMATION:	
Solvents		Customer:	Date:
Acid		Customer #:	
Ozone		Ship To:	
Electrical/Static Conductive		Bill To:	
Oil Resistance: Tube		Telephone #:	Fax#:
Cover			
Flame Resistance			
Noncontaminating Materials			
Hose Currently in Use			
Current Hose Service Life/Failure Description			
Service Life Desired			
MATERIAL(S) BEING CONVEYED:			
Solids (size, description)			
Gaseous (volatility, inert)			
Liquids (flammability, causticity, acid/alkaline, solution/concentration)			
Chemical Names (generic)			

Bolded block areas MUST be filled out on all inquiries.

APPENDIX-GENERAL INFORMATION

HOSE TESTING METHODS

(Reprinted from RMA Hose Handbook IP-2 Seventh Edition 2003)

SAFETY WARNING: Testing can be dangerous and should be done only by trained personnel using proper tools and procedures. Failure to follow such procedures might result in damage to property and serious bodily injury.

The Rubber Manufacturers Association (RMA) recognizes, accepts, and recommends the testing methods of the American Society for Testing and Materials (ASTM).

Unless otherwise specified, all hose tests are to be conducted in accordance with ASTM Method No. D-380 (latest revision). Where an ASTM D-380 test is not available, another test method should be selected and described in detail.

RMA participates with ASTM under the auspices of the American National Standards Institute (ANSI) in Technical Committee 45 (TC45) of The International Organization for Standardization (ISO) in developing both hose product and hose test method standards. Many of the hose test method standards published by ISO duplicate or closely parallel those shown in ASTM D-380. Many are unique and, in those cases, the RMA may be able to provide the necessary test standard references which may be purchased from the American National Standards Institute (ANSI).

HYDROSTATIC PRESSURE TESTS

Hydrostatic pressure tests are classified as follows:

1. DESTRUCTIVE TYPE
 - a. Burst test
 - b. Hold test
2. NONDESTRUCTIVE TYPE
 - a. Proof pressure test
 - b. Change in length test (elongation or contraction)
 - c. Change in outside diameter or circumference test
 - d. Warp test
 - e. Rise test
 - f. Twist test
 - g. Kink test
 - h. Volumetric expansion

Destructive Tests

Destructive tests are conducted on short specimens of hose, normally 18 inches (460mm) to 36 inches (915mm) in length and, as the name implies, the hose is destroyed in the performance of the test.

- a. Burst pressure is recorded as the pressure at which actual rupture of a hose occurs.
- b. A hold test, when required, is a means of determining whether weakness will develop under a given pressure for a specified period of time.

Nondestructive Tests

Nondestructive tests are conducted on a full length of a hose or hose assembly and are for the purpose of eliminating hose with defects which cannot be seen by visual examination or in order to determine certain characteristics of the hose while it is under internal pressure.

- a. A proof pressure test is normally applied to hose for a specified period of time. On new hose, the proof pressure is usually 50% of the minimum specified burst except for woven jacket fire hose where the proof pressure is twice the service test pressure marked on the hose (67% of specified minimum burst). Hydrostatic tests performed on fire hose in service should be no higher than the service test pressure referred to above. The regulation of these pressures is extremely important so that no deteriorating stresses will be applied, thus weakening a normal hose.
- b. With some type of hose, it is useful to know how a hose will act under pressure. All change in length tests, except when performed on wire braid or wire spiraled hose, are made with original length measurements taken under a pressure of 10 psi (0.069 Mpa). The specified pressure, which is normally the proof pressure, is applied and immediate measurement of the characteristics desired are taken and recorded.

continued on next page

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix

Additional
Products

Chemical Charts

General
Information

Minimum Run
Requirements

APPENDIX-GENERAL INFORMATION

Percent length change (elongation or contraction) is the difference between the length at 10 psi (0.069 Mpa) (except wire braided or wire spiraled) and that at the proof pressure times 100 divided by the length at 10 psi (0.069 Mpa). Elongation occurs if the length of the hose under the proof pressure is greater than at a pressure of 10 psi (0.069 Mpa). Contraction occurs if the length at the proof pressure is less than at 10 psi (0.069 Mpa).

In testing wire braided or spiraled hose, the proof pressure is applied and the length recorded. The pressure is then released and, at the end of 30 seconds, the length is measured; the measurement obtained is termed the "original length."

- c. Percent change in outside diameter or circumference is the difference between the outside diameter or circumference at 10 psi (0.069 Mpa) and that obtained under the proof pressure times 100 divided by the outside diameter or circumference at 10 psi (0.069 Mpa). Expansion occurs if the measurement at the proof pressure is greater than at 10 psi (0.069 Mpa). Contraction occurs if the measurement at the proof pressure is less than at 10 psi (0.069 Mpa).
- d. Warp is the deviation from the straight line drawn from fitting to fitting; the maximum deviation from this line is warp. First, a measurement is taken at 10 psi (0.069 Mpa) and then again at the proof pressure. The difference between the two, in inches, is the warp. Normally this is a feature measured on woven jacket fire hose only.
- e. Rise is a measure of the height a hose rises from the surface of the test table while under pressure. The difference between the rise at 10 psi (0.069 Mpa) and at the proof pressure is reported to the nearest 0.25 inch (6.4 mm). Normally, this is a feature measured on woven jacket fire hose only.
- f. Twist is a rotation of the free end of the hose while under pressure. A first reading is taken at 10 psi (0.069 Mpa) and a second reading at proof pressure. The difference, in degrees between the 10 psi (0.069 Mpa) base and that at the proof pressure is the twist. Twist

is reported as right twist (to tighten couplings) or left twist. Standing at the pressure inlet and looking toward the free end of a hose, a clockwise turning is right twist and counterclockwise is left twist.

- g. Kink test is a measure of the ability of woven jacket hose to withstand a momentary pressure while the hose is bent back sharply on itself at a point approximately 18 inches (457mm) from one end. Test is made at pressures ranging from 62% of the proof pressure on sizes 3 inches (76 mm) and 3.5 inches (89 mm) to 87% on sizes under 3 inches (76 mm). This is a test applied to woven jacket fire hose only.

- h. Volumetric expansion test is applicable only to specific types of hose, such as hydraulic or power steering hose, and is a measure of its volumetric expansion under ranges of internal pressure.

Design Considerations

In designing hose, it is customary to develop a design ratio, which is a ratio between the minimum burst and the maximum working pressure.

Burst test data is compiled and the minimum value is established by accepted statistical techniques. This is done as a check on theoretical calculations, based on the strength of reinforcing materials and on the characteristics of the method of fabrication.

Minimum burst values are used as one factor in the establishment of a reasonable and safe maximum work pressure.

MAXIMUM WORKING PRESSURE IS ONE OF THE ESSENTIAL OPERATING CHARACTERISTICS THAT A HOSE USER MUST KNOW AND RESPECT TO ASSURE SATISFACTORY SERVICE AND OPTIMUM LIFE.

It should be noted that design ratios are dependent on more than the minimum burst. The hose technologist must anticipate natural decay in strength of reinforcing materials, and the accelerated decay induced by the anticipated environments in which the hose will be used and the dynamic situations that a hose might likely encounter in service.



APPENDIX-GENERAL INFORMATION

Including all considerations, the following recommended design ratios are given for newly manufactured hose:

1. Water Hose up to 150 psi WP: 3:1
2. Hose for all other liquids, solid materials suspended in liquids or air, and water hose over 150 psi WP: 4:1
3. Hose for compressed air and other gases: 4:1
4. Hose for liquid media that immediately changes into gas under standard atmospheric conditions: 5:1
5. Steam Hose: 10:1

METHODS FOR MEASURING ELECTRICAL RESISTANCE OF HOSE

Method 1-Plug Method Sample Preparation

1. Cut a 24-inch (610mm) sample from the length of hose to be tested unless the size and length of the hose is such that it is necessary to test the entire length.
2. Buff both the tube and cover for 1.5 inch (38mm) on each end with 120-grit emery paper.
3. Insert either polished steel or copper plugs having diameters equal to the I.D. of the hose into each end for a distance of one inch (25mm).
4. Clamp the plugs in the hose with a polished 0.500 inch (12.7mm) reusable band clamp. Place the bands 0.250 inch (6.4mm) from the end of the hose and tighten firmly.
5. After the clamps are applied, allow the hose to rest for at least ten minutes before the test is made.

Test Procedure

To measure the resistivity of the hose, lay the entire assembly out straight on a nonconducting surface. Place the ohmmeter electrodes on the plugs in the hose to record the tube resistivity.

If the cover resistivity is desired, place the electrodes on the clamps. This method tends to eliminate the greatest number of variables, yet it is simple to set up and make the test.

The resistance between the plugs or clamps shall be measured with a megohm meter (having a range of 0.08 to 10.6 megohms, utilizing a measuring voltage of 500 volts across the unknown resistance) which has previously been standardized against a known resistance.

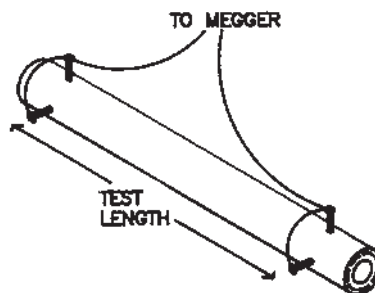
The resistance of any hose shall be reported as ohms per foot of hose, as determined by dividing the total resistance by number of feet of hose between clamps.

Editors Note:

The above method is an example of a test method not currently and specifically covered by an ASTM test method. It is, however, under development by ISO TC45, Subcommittee 1, Working Group 4, under the title, "Rubber and Plastic Hoses - Determination of Electrical Properties."

Method 2- Nail or "Pot Room" Method

Conduct test on non-conducting surfaces, and at normal room temperature and humidity. Assure that test setup is as shown below.



Test setup for determining electrical resistance.

Test Procedure

Conduct test as follows:

1. Cut sample hose to 24 inches long.
2. Assure that both inside and outside of hose are free of oil, dirt, etc.
3. Pierce sample ends with clean nails, as shown.
4. Connect nails to 1000 volt DC power source and megohm meter or 1000 volt "megger," as shown.
5. Record total resistance, in megohms.
6. Measure "test length" as shown.
7. Divide total resistance by test length to get megohms per inch.

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix

Additional
Products

Chemical Charts

General
Information

Minimum Run
Requirements

APPENDIX-GENERAL INFORMATION

CARE, MAINTENANCE, AND STORAGE

(Reprinted from RMA Hose Handbook IP-2 Seventh Edition 2003)

Hose has a limited life and the user must be alert to signs of impending failure, particularly when the conditions of service include high working pressures and/or the conveyance or containment of hazardous materials. The periodic inspection and testing procedures described here provide a schedule of specific measures which constitute a minimum level of user action to detect signs indicating hose deterioration or loss of performance before conditions leading to malfunction or failure are reached.

SAFETY WARNING: Failure to properly follow the manufacturer's recommended procedures for the care, maintenance, and storage of a particular hose might result in its failure to perform in the manner intended and might result in possible damage to property and serious bodily injury.

General instructions are also described for the proper storage of hose to minimize deterioration from exposure to elements or environments which are known to be deleterious to rubber products. Proper storage conditions can enhance and extend substantially the ultimate life of hose products.

General Care and Maintenance

Hose should not be subjected to any form of abuse in service. It should be handled with reasonable care. Hose should not be dragged over sharp or abrasive surfaces unless specifically designed for such service. Care should be taken to protect hose from severe end loads for which the hose or hose assembly were not designed. Hose should be used at or below its rated working pressure; any changes in pressure should be made gradually so as to not subject the hose to excessive surge pressures.

Hose should not be kinked or be run over by equipment. In handling large size hose, dollies should be used whenever possible; slings or handling rigs, properly placed, should be used to support heavy hose used in oil suction and discharge service.

General Test & Inspection Procedures

An inspection and hydrostatic test should be made at periodic intervals to determine if a hose is suitable for continued service. A visual inspection of the hose should be made for loose covers, kinks, bulges, or soft spots which might indicate broken or displaced reinforcement. The couplings or fittings should be closely examined and, if there is any sign of movement of the hose from the couplings, the hose should be removed from service.

The periodic inspection should include a hydrostatic test for one minute at 150% of the recommended working pressure of the hose. An exception to this would be the woven jacketed fire hose.* During the hydrostatic test, the hose should be straight, not coiled or in a kinked position. Water is the usual test medium and, following the test, the hose may be flushed with alcohol to remove traces of moisture.

A regular schedule for testing should be followed and inspection records maintained.

SAFETY WARNING: Before conducting any pressure tests on hose, provisions must be made to ensure the safety of the personnel performing the tests and to prevent any possible damage to property. Only trained personnel using proper tools and procedures should conduct any pressure tests.

1. Air or any other compressible gas must never be used as the test media because of the explosive action of the hose should a failure occur. Such a failure might result in possible damage to property and serious bodily injury.
2. Air should be removed from the hose by bleeding it through an outlet valve while the hose is being filled with the test medium.
3. Hose to be pressure tested must be restrained by placing steel rods or straps close to each end and at approximate 10 foot (3m) intervals along its length to keep the hose from "whipping" if failure occurs; the steel rods or straps are to be anchored firmly to the test structure but in such a manner that they do not contact the hose which must be free to move.
4. The outlet end of the hose is to be bulwarked so that a blown-out fitting will be stopped.
5. Provisions must be made to protect testing personnel from the forces of the pressure media if a failure occurs.
6. Testing personnel must never stand in front of or in back of the ends of a hose being pressure tested.

Continued on next page

*Woven jacket fire hose should be tested in accordance with the service test provisions contained in the current edition of National Fire Protection Association Bulletin No. 1962 - Standard for the Care, Use and Service Testing of Fire Hose.



APPENDIX-GENERAL INFORMATION

7. When liquids such as gasoline, oil, solvent, or other hazardous fluids are used as the test fluid, precautions must be taken to protect against fire or other damage should a hose fail and the test liquid be sprayed over the surrounding area.

The Rubber Manufacturers Association has published separately a series of Hose Technical Information bulletins describing Maintenance, Testing, and Inspection recommendations. Reference should be made to the current RMA Catalog of Publications to determine the availability of the latest edition. Bulletins published as of January 2003 include the following:

Publication No.

- IP 11-1-Steam Hose
- IP 11-2-Anhydrous Ammonia Hose
- IP 11-4-Oil Suction and Discharge Hose
- IP 11-5-Welding Hose
- IP 11-7-Chemical Hose
- IP 11-8-Fuel Dispensing Hose

Storage

Rubber hose products in storage can be affected adversely by temperature, humidity, ozone, sunlight, oils, solvents, corrosive liquids and fumes, insects, rodents, and radioactive materials.

The appropriate method for storing hose depends to a great extent on its size (diameter and length), the quantity to be stored, and the way in which it is packaged. Hose should not be piled or stacked to such an extent that the weight of the stack creates distortions on the lengths stored at the bottom. Since hose products vary considerably in size, weight, and length, it is not practical to establish definite recommendations on this point. Hose having a very light wall will not support as much load as could a hose having a heavier wall or hose having a wire reinforcement. Hose which is shipped in coils or bales should be stored so that the coils are in a horizontal plane.

Whenever feasible, rubber hose products should be stored in their original shipping containers, especially when such containers are wooden crates or cardboard cartons which provide some protection against the deteriorating effects of oils, solvents,

and corrosive liquids; shipping containers also afford some protection against ozone and sunlight. Certain rodents and insects will damage rubber hose products, and adequate protection from them should be provided.

Cotton-jacketed hose should be protected against fungal growths if the hose is to be stored for prolonged periods in humidity conditions in excess of 70%.

The ideal temperature for the storage of rubber products ranges from 50°F to 70°F (10°C to 21°C) with a maximum limit of 100°F (38°C). If stored below 32°F (0°C), some rubber products become stiff and would require warming before being placed in service. Rubber products should not be stored near sources of heat, such as radiators, base heaters, etc., nor should they be stored under conditions of high or low humidity.

To avoid the adverse effects of high ozone concentration, rubber hose products should not be stored near electrical equipment that may generate ozone or be stored for any lengthy period in geographical areas of known high ozone concentration. Exposure to direct or reflected sunlight, even through windows, should also be avoided. Uncovered hose should not be stored under fluorescent or mercury lamps which generate light waves harmful to rubber.

Storage areas should be relatively cool and dark, and free of dampness and mildew. Items should be stored on a first-in, first-out basis, since even under the best of conditions, an unusually long shelf life could deteriorate certain rubber products.

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

APPENDIX-GENERAL INFORMATION

Temperature Conversion

Locate temperature in middle column. If in °C, read °F equivalent in right-hand column;
if in °F, read °C in left-hand column.

	-459° to 0°			1° to 60°			61° to 290°			300° to 890°			900° to 3000°		
	C	°F	F	C	°F	F	C	°F	F	C	°F	F	C	°F	F
Cleaning Equipment	-273	-459.4		-17.2	1	33.8	16.1	61	141.8	149	300	572	482	900	1652
	-268	-450		-16.7	2	35.6	16.7	62	143.6	154	310	590	488	910	1670
Food	-262	-440		-16.1	3	37.4	17.2	63	145.4	160	320	608	493	920	1688
Transfer	-257	-430		-15.6	4	39.2	17.8	64	147.2	166	330	626	499	930	1706
Washdown	-251	-420		-15.0	5	41.0	18.3	65	149.0	171	340	644	504	940	1724
	-246	-410		-14.4	6	42.8	18.9	66	150.8	177	350	662	510	950	1742
	-240	-400		-13.9	7	44.6	19.4	67	152.6	182	360	680	516	960	1760
	-234	-390		-13.3	8	46.4	20.0	68	154.4	188	370	698	521	970	1778
Marine	-229	-380		-12.8	9	48.2	20.6	69	156.2	193	380	716	527	980	1796
	-223	-370		-12.2	10	50.0	21.1	70	158.0	199	390	734	532	990	1814
	-218	-360		-11.7	11	51.8	21.7	71	159.8	204	400	752	538	1000	1832
	-212	-350		-11.1	12	53.6	22.2	72	161.6	210	410	770	549	1020	1868
Material Handling	-207	-340		-10.6	13	55.4	22.8	73	163.4	216	420	788	560	1040	1904
Abrasives	-201	-330		-10.0	14	57.2	23.3	74	165.2	221	430	806	571	1060	1940
Bulk Transfer	-196	-320		-9.4	15	59.0	23.9	75	167.0	227	440	824	582	1080	1976
Cement & Concrete	-190	-310		-8.9	16	60.8	24.4	76	168.8	232	450	842	593	1100	2012
	-184	-300		-8.3	17	62.6	25.0	77	170.6	238	460	860	604	1120	2048
	-179	-290		-7.8	18	64.4	25.6	78	172.4	243	470	878	616	1140	2084
	-173	-280		-7.2	19	66.2	26.1	79	174.2	249	480	896	627	1160	2120
	-169	-273	-459.4	-6.7	20	68.0	26.7	80	176.0	254	490	914	638	1180	2156
Mining	-168	-270	-454	-6.1	21	69.8	27.2	81	177.8	260	500	932	649	1200	2192
	-162	-260	-436	-5.6	22	71.6	27.8	82	179.6	266	510	950	660	1220	2228
Petroleum	-157	-250	-418	-5.0	23	73.4	28.3	83	181.4	271	520	968	671	1240	2264
	-151	-240	-400	-4.4	24	75.2	28.9	84	183.2	277	530	986	682	1260	2300
Aircraft Fueling	-146	-230	-382	-3.9	25	77.0	29.4	85	185.0	282	540	1004	693	1280	2336
Dispensing	-140	-220	-364	-3.3	26	78.8	30.0	86	186.8	288	550	1022	704	1300	2372
	-134	-210	-346	-2.8	27	80.6	30.6	87	188.6	293	560	1040	732	1350	2462
Dock	-129	-200	-328	-2.2	28	82.4	31.1	88	190.4	299	570	1058	760	1400	2552
Transfer	-123	-190	-310	-1.7	29	84.2	31.7	89	192.2	304	580	1076	788	1450	2642
	-118	-180	-292	-1.1	30	86.0	32.2	90	194.0	310	590	1094	816	1500	2732
	-112	-170	-274	-0.6	31	87.8	32.8	91	195.8	316	600	1112	843	1550	2822
	-107	-160	-256	0.0	32	89.6	33.3	92	197.6	321	610	1130	871	1600	2912
Spray	-101	-150	-238	0.6	33	91.4	33.9	93	199.4	327	620	1148	899	1650	3002
	-96	-140	-220	1.1	34	93.2	34.4	94	201.2	332	630	1166	927	1700	3092
	-90	-130	-202	1.7	35	95.0	35.0	95	203.0	338	640	1184	954	1750	3182
Steam	-84	-120	-184	2.2	36	96.8	35.6	96	204.8	343	650	1202	983	1800	3272
	-79	-110	-166	2.8	37	98.6	36.1	97	206.6	349	660	1220	1010	1850	3362
	-73	-100	-148	3.3	38	100.4	36.7	98	208.4	354	670	1238	1038	1900	3452
	-68	-90	-130	3.9	39	102.2	37.2	99	210.2	360	680	1256	1066	1950	3542
Vacuum	-62	-80	-112	4.4	40	104.0	37.8	100	212.0	366	690	1274	1093	2000	3632
	-57	-70	-94	5.0	41	105.8	43	110	230	371	700	1292	1121	2050	3722
Water	-51	-60	-76	5.6	42	107.6	49	120	248	377	710	1310	1149	2100	3812
	-46	-50	-58	6.1	43	109.4	54	130	266	382	720	1328	1177	2150	3902
	-40	-40	-40	6.7	44	111.2	60	140	284	388	730	1346	1204	2200	3992
Discharge	-34	-30	-22	7.2	45	113.0	66	150	302	393	740	1364	1232	2250	4082
Suction &	-29	-20	-4	7.8	46	114.8	71	160	320	399	750	1382	1260	2300	4172
Discharge	-23	-10	14	8.3	47	116.6	77	170	338	404	760	1400	1288	2350	4262
Washdown	-17.8	0	32	8.9	48	118.4	82	180	356	410	770	1418	1316	2400	4352
				9.4	49	120.2	88	190	374	416	780	1436	1343	2450	4442
				10.0	50	122.0	93	200	392	421	790	1454	1371	2500	4532
				10.6	51	123.8	99	210	410	427	800	1472	1399	2550	4622
Welding				11.1	52	125.6	100	212	413.6	432	810	1490	1427	2600	4712
				11.7	53	127.4	104	220	428	438	820	1508	1454	2650	4802
				12.2	54	129.2	110	230	446	443	830	1526	1482	2700	4892
				12.8	55	131.0	116	240	464	449	840	1544	1510	2750	4982
				13.3	56	132.8	121	250	482	454	850	1562	1538	2800	5072
Coupling Systems				13.9	57	134.6	127	260	500	460	850	1580	1566	2850	5162
				14.4	58	136.4	132	270	518	466	870	1598	1593	2900	5252
				15.0	59	138.2	138	280	536	471	880	1616	1621	2950	5342
				15.6	60	140.0	143	290	554	477	890	1634	1649	3000	5432

Appendix

Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



APPENDIX-GENERAL INFORMATION

Useful Conversion Charts

Decimal and Millimeter Equivalents of Fractions

Inches Fractions	Decimals	Millimeters
1/64	.015625	.397
1/32	.03125	.794
3/64	.046875	1.191
1/16	.0625	1.588
5/64	.078125	1.984
3/32	.09375	2.381
7/64	.109375	2.778
1/8	.125	3.175
9/64	.140625	3.572
5/32	.15625	3.969
11/64	.171875	4.366
3/16	.1875	4.763
13/64	.203125	5.159
7/32	.21875	5.556
15/64	.234375	5.953
1/4	.250	6.350
17/64	.265625	6.747
9/32	.28125	7.144
19/64	.296875	7.541
5/16	.3125	7.938
21/64	.328125	8.334
11/32	.34375	8.731
23/64	.359375	9.128
3/8	.375	9.525
25/64	.390625	9.922
13/32	.40625	10.319
27/64	.421875	10.716
7/16	.4375	11.113
29/64	.453125	11.509
15/32	.46875	11.906
31/64	.484375	12.303
1/2	.500	12.700

Inches Fractions	Decimals	Millimeters
33/64	.515625	13.097
17/32	.53125	13.494
35/64	.546875	13.891
9/16	.5625	14.288
37/64	.578125	14.684
19/32	.59375	15.081
39/64	.609375	15.478
5/8	.625	15.875
41/64	.640625	16.272
21/32	.65625	16.669
43/64	.671875	17.066
11/16	.6875	17.463
45/64	.703125	17.859
23/32	.71875	18.256
47/64	.734375	18.653
3/4	.750	19.050
49/64	.765625	19.447
25/32	.78125	19.844
51/64	.796875	20.241
13/16	.8125	20.638
53/64	.828125	21.034
27/32	.84375	21.431
55/64	.859375	21.828
7/8	.875	22.225
57/64	.890625	22.622
29/32	.90625	23.019
59/64	.921875	23.416
15/16	.9375	23.813
61/64	.953125	24.209
31/32	.96875	24.606
63/64	.984375	25.003
1	1.000	25.400

Pressure Conversion (feet of water to inches of mercury)

Feet of Water	Inches of Mercury
1	0.9
2	1.8
4	3.5
6	5.3
8	7.1
10	8.8
12	10.6
14	12.4
16	14.1
18	15.9
20	17.7
22	19.4
24	21.2
26	23.0
28	24.8
30	26.5
32	28.3
34	30.0

Measures of Pressures

1 lb. per square inch = 144
lbs. per square foot = 0.068
atmosphere = 2.042 inches of
mercury @ 62°F = 2.31 feet of
water at 62°F.

1 atmosphere = 30 inches of
mercury at 62°F = 14.7 lbs.
per square inch = 2116.3 lbs.
per square foot = 33.95 feet of
water at 62°F.

1 foot of water at 62°F =
62.355 lbs. per square foot =
0.433 lb. per square inch.

1 inch of mercury at 62°F =
1.132 feet of water = 13.58
inches of water = 0.491 lb. per
square inch.

Column of water 12 inches
high, 1 inch diameter = .341 lb.

Pressure Conversion (feet of water to pounds per square inch) Based on formula (psi) = Pressure Head [Ft. of Water] x 0.433

Pressure Head (Ft. of Water)	Pressure (psi)	Pressure Head (Ft. of Water)	Pressure (psi)	Pressure Head (Ft. of Water)	Pressure (psi)
0	0	200	87	410	177
5	2.2	210	91	420	182
10	4.3	220	95	430	186
20	8.7	230	100	440	190
30	13	240	104	450	195
40	17	250	108	460	199
50	22	260	113	470	203
60	26	270	117	480	208
70	30	280	121	490	212
80	35	290	126	500	216
90	39	300	130	550	238
100	43	310	134	600	260
110	48	320	139	650	281
120	52	330	143	700	303
130	56	340	147	750	325
140	61	350	151	800	346
150	65	360	156	850	368
160	69	370	160	900	390
170	74	380	164	950	411
180	78	390	169	1000	433
190	82	400	173		

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
**General
Information**
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

APPENDIX-GENERAL INFORMATION

Length Conversion Constants

Metric to U.S.	U.S. to Metric
Millimeters x .039370 = inches	Inches x 25.4001 = millimeters
Meters x 39.370 = inches	Inches x .0254 = meters
Meters x 3.2808 = feet	Feet x .30480 = meters
Meters x 1.09361 = yards	Yards x .91440 = meters
Kilometers x 3,280.8 = feet	Feet x .0003048 = kilometers
Kilometers x .62137 = Statute Miles	Statute Miles x 1.60935 = kilometers
Kilometers x .53959 = Nautical Miles	Nautical Miles x 1.85325 = kilometers

Weight Conversion Constants

Metric to U.S.	U.S. to Metric
Grams x 981 = dynes	Dynes x .0010193 = grams
Grams x 15.432 = grains	Grains x .0648 = grams
Grams x .03527 = ounces (Avd.)	Ounces (Avd.) x 28.35 = grams
Grams x .033818 = fluid ounces (water)	Fluid Ounces (Water) x 29.57 = grams
Kilograms x 35.27 = ounces (Avd.)	Ounces (Avd.) x .02835 = kilograms
Kilograms x 2.20462 = pounds (Avd.)	Pounds (Avd.) x .45359 = kilograms
Metric Tons (1000 Kg.) x 1.10231 =	Net Ton (2000 lbs.) x .90719 =
Net Ton (2000 lbs.)	Metric Tons (1000 Kg.)
Metric Tons (1000 Kg.) x .98421 =	Gross Ton (2240 lbs.) x 1.101605 =
Gross Ton (2240 lbs.)	Metric Tons (1000 Kg.)

Area Conversion Constants

Metric to U.S.	U.S. to Metric
Square Millimeters x .00155 = square inches	Square Inches x 645.163 = square millimeters
Square Centimeters x .155 = square inches	Square Inches x 6.45163 = square centimeters
Square Meters x 10.76387 = square feet	Square Feet x .0929 = square meters
Square Meters x 1.19599 = square yards	Square Yards x .83613 = square meters
Hectares x 2.47104 = acres	Acres x .40469 = hectares
Square Kilometers x 247.104 = acres	Acres x .0040469 = square kilometers
Square Kilometers x .3861 = square miles	Square Miles x 2.5899 = square kilometers

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix

Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



APPENDIX-GENERAL INFORMATION

Properties of Saturated Steam

The steam pressure is important because it determines the minimum temperature condition under which the hose will be used. The operating temperature is a very important factor in selecting a steam hose as a relatively small increase in temperature can greatly reduce the hose life.

Pressure-Temperature Equivalents Of Saturated Steam

Lbs. per sq. in. pressure	Temperature °F	Temperature °C	Lbs. per sq. in. pressure	Temperature °F	Temperature °C
0	212.0	100.0	110	344.1	173.4
5	227.1	108.4	115	347.2	175.1
10	239.4	115.2	120	350.1	175.7
15	249.8	121.0	125	352.9	178.3
20	258.8	126.0	130	355.6	179.8
22	261.2	127.8	135	358.3	181.3
24	265.3	129.6	140	360.9	182.7
26	268.3	131.3	145	363.4	184.1
28	271.2	132.9	150	365.9	185.5
30	274.1	134.5	155	368.2	186.8
32	276.8	136.0	160	370.6	188.1
34	279.3	137.4	165	373.9	189.4
36	281.8	138.8	170	375.3	190.7
38	284.4	140.2	175	377.4	191.9
40	286.7	141.5	180	379.6	193.1
42	289.0	142.8	185	381.7	194.3
44	291.2	144.0	190	383.7	195.4
46	293.5	145.3	195	385.9	196.6
48	295.5	146.4	200	387.9	197.7
50	294.7	147.6	205	398.8	198.8
52	299.9	148.7	210	391.6	199.8
54	301.6	149.8	215	392.9	200.5
56	303.6	150.9	220	395.4	201.7
58	308.4	151.9	225	397.2	202.9
60	307.4	153.0	230	399.0	203.9
62	309.2	154.0	235	400.7	204.8
64	310.8	154.9	240	402.5	205.8
66	312.6	155.9	245	404.2	206.8
68	314.2	156.8	250	406.1	207.8
70	316.0	157.0	255	407.7	208.7
72	317.7	158.7	260	409.4	209.7
74	319.3	159.6	265	411.0	210.6
76	320.9	160.5	270	412.6	211.4
78	322.3	161.3	275	414.2	202.3
80	323.8	162.1	280	415.7	213.2
85	327.6	164.2	300	421.0	216.1
90	331.2	166.2	350	436.5	224.7
95	334.6	168.1			
100	337.8	169.9			
105	341.1	171.7			

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

APPENDIX-GENERAL INFORMATION

Flow Data

This table may be used to determine the pressure loss in hose connected to rock drills and pneumatic tools. It is correct for hose with smooth inside lin-

ing. Hose with rough inside lining may have a friction loss of as much as 50% greater than the figures given in the table.

Air Flow Pressure Loss

PULSATING FLOW																
Size of Hose	Gauge press. at line	Cubic feet free air per minute passing through 50 foot lengths of hose														
		20	30	40	50	60	70	80	90	100	110	120	130	140	150	
		Loss of pressure in pounds per square inch – 50 foot hose length														
<i>½ in. with couplings at each end</i>	50	1.8	5.0	10.1	18.1											
	60	1.3	4.0	8.4	14.8	23.4										
	70	1.0	3.4	7.0	12.4	20.0	28.4									
	80	.9	2.8	6.0	10.8	17.4	25.2	34.6								
	90	.8	2.4	5.4	9.5	14.8	22.0	30.5	41.0							
	100	.7	2.3	4.8	8.4	13.3	19.3	27.2	36.6							
	110	.6	2.0	4.3	7.6	12.0	17.6	24.6	33.3	44.5						
	<i>¾ in. with couplings at each end</i>	50	.4	.8	1.5	2.4	3.5	4.4	6.5	8.5	11.4	14.2				
		60	.3	.6	1.2	1.9	2.8	3.8	5.2	6.8	8.6	11.2				
		70	.2	.5	.9	1.5	2.3	3.2	4.2	5.5	7.0	8.8	11.0			
		80	.2	.5	.8	1.3	1.9	2.8	3.6	4.7	5.8	7.2	8.8	10.6		
		90	.2	.4	.7	1.1	1.6	2.3	3.1	4.0	5.0	6.2	7.5	9.0		
100		.2	.4	.6	1.0	1.4	2.0	2.7	3.5	4.4	5.4	6.6	7.9	9.4	11.1	
	110	.1	.3	.5	.9	1.3	1.8	2.4	3.1	3.9	4.9	5.9	7.1	8.4	9.9	
	<i>1 in. with couplings at each end</i>	50	.1	.2	.3	.5	.8	1.1	1.5	2.0	2.6	3.5	4.8	7.0		
		60	.1	.2	.3	.4	.6	.8	1.2	1.5	2.0	2.6	3.3	4.2	5.5	7.2
		70		.1	.2	.4	.5	.7	1.0	1.3	1.6	2.0	2.5	3.1	3.8	4.7
		80		.1	.2	.3	.5	.7	.8	1.1	1.4	1.7	2.0	2.4	2.7	3.5
		90		.1	.2	.3	.4	.6	.7	.9	1.2	1.4	1.7	2.0	2.4	2.8
100			.1	.2	.2	.4	.5	.6	.8	1.0	1.2	1.5	1.8	2.1	2.4	
	110		.1	.2	.2	.3	.4	.6	.7	.9	1.1	1.3	1.5	1.8	2.1	
	<i>1¼ in. with couplings at each end</i>	50			.1	.2	.2	.3	.4	.5	.7	1.1				
		60				.1	.2	.3	.3	.5	.6	.8	1.0	1.2	1.5	
		70				.1	.2	.2	.3	.4	.4	.5	.7	.8	1.0	1.3
		80					.1	.2	.2	.3	.4	.5	.6	.7	.8	1.0
		90						.1	.2	.2	.3	.4	.5	.6	.7	.8
100							.1	.2	.2	.3	.4	.4	.5	.6	.7	
	110						.1	.2	.2	.3	.3	.4	.5	.5	.6	
	<i>1½ in. with couplings at each end</i>	50						.1	.2	.2	.2	.3	.3	.4	.5	.6
		60							.1	.2	.2	.2	.3	.3	.4	.5
		70								.1	.2	.2	.2	.3	.3	.4
		80									.1	.2	.2	.2	.3	.4
		90										.1	.2	.2	.2	.3
100												.1	.2	.2	.2	
	110												.1	.2	.2	

For longer or shorter lengths of hose, the friction loss is proportional to the length, e.g., for 25 ft., half of the above; for 150 ft., three times the above, etc.

Appendix

Additional
Products

Chemical Charts

General
Information

Minimum Run
Requirements



APPENDIX-GENERAL INFORMATION

Water Flow Pressure Loss (PSI Per 100 Feet Of Hose)

Flow of water in U.S. gal. per min.	Flow of water in cu. feet per sec.	Actual Internal Diameter, Inches								
		½	¾	¾	1	1¼	1½	2	2½	3
0.5	.001	0.4								
1.5	.003	3.02	1.01	0.42						
2.5	.005	7.75	2.58	1.08						
5	.011	27.8	9.27	3.86	0.95	0.32	0.13			
10	.022	99.5	33.2	13.8	3.38	1.14	0.47	0.12		
15	.033		71.0	29.6	7.25	2.45	1.01	0.25	0.08	
20	.044		121.0	50.3	12.4	4.15	1.71	0.42	0.14	
25	.055			76.5	18.7	6.34	2.60	0.64	0.22	
30	.066			108.0	26.5	8.96	3.68	0.90	0.30	0.13
35	.077			142.0	34.8	11.8	4.83	1.18	0.40	0.17
40	.088				44.7	15.1	6.20	1.52	0.51	0.21
45	.099				55.0	18.6	7.65	1.87	0.63	0.26
50	.110				67.5	22.8	9.35	2.28	0.78	0.32
60	.132				94.3	31.8	13.1	3.19	1.08	0.45
70	.154				126.0	42.5	17.5	4.25	1.44	0.60
80	.176					54.6	22.5	5.48	1.86	0.77
90	.198					67.5	27.8	6.80	2.30	0.95
100	.223					81.5	33.5	8.19	2.78	1.15
125	.278					124.0	50.6	12.4	4.20	1.73
150	.334						72.1	17.6	6.97	2.46
175	.390						94.5	23.1	7.83	3.23
200	.446						122.0	29.6	10.1	4.15
225	.501							36.8	12.5	5.15
250	.557							44.6	15.2	6.28
275	.613							53.3	18.1	7.45
300	.688							62.5	21.2	8.75
325	.724							72.5	24.6	10.2
350	.780							83.2	28.2	11.7
375	.836							94.5	32.1	13.3
400	.891							107.0	36.2	14.9
450	1.00								44.9	18.6
500	1.11								54.5	22.5
600	1.34								76.5	31.6
700	1.56								102.0	42.1
800	1.78								131.0	53.9
900	2.00									66.8
1000	2.23									81.4
1100	2.45									97.0
1200	2.67									114.0
1300	2.90									132.0
1400	3.12									
1500	3.34									
1600	3.56									
1800	4.01									
2000	4.45									

Note: The pressure loss experienced by a liquid flowing through a hose depends on the rate of flow, the viscosity of the liquid, the hose I.D., the smoothness of the tube, and the hose length. This chart shows the relationship between rate of flow, I.D., and pressure loss for water at 68°F with

a viscosity of one centipoise. The pressure is directly proportional to the length of the hose, therefore, the data shown can be easily extended by use of proportions, e.g., the pressure drop for 50 feet of hose length is half that for 100 feet.

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
**General
Information**
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

APPENDIX-GENERAL INFORMATION

Water Flow Pressure Loss (continued) (PSI Per 100 Feet Of Hose)

Chemical Transfer	Flow of water in U.S. gal. per min.	Flow of water in cu. feet per sec.	Actual Internal Diameter, Inches						
			4	6	8	10	12	14	16
Cleaning Equipment	100	.223	.26						
	125	.278	.40						
	150	.334	.54						
	175	.390	.70	.10					
Food <i>Transfer</i> <i>Washdown</i>	200	.446	.90	.13					
	225	.501	1.08	.16					
	250	.557	1.34	.19					
	275	.613	1.60	.24					
Marine	300	.668	1.84	.28					
	325	.724	2.04	.33					
	350	.780	2.30	.37					
	375	.836	2.80	.44					
Material Handling <i>Abrasives</i> <i>Bulk Transfer</i> <i>Cement & Concrete</i>	400	.891	3.10	.49					
	425	.947	3.40	.54					
	450	1.00	3.80	.60					
	475	1.06	4.25	.70					
Mining	500	1.11	4.60	.78	.16				
	550	1.22	5.60	.93	.18				
	600	1.34	6.60	1.10	.23				
	650	1.45	7.60	1.30	.27				
Petroleum <i>Aircraft Fueling</i> <i>Dispensing</i> <i>Dock</i> <i>Transfer</i>	700	1.56	8.60	1.50	.30				
	750	1.67	9.60	1.70	.34				
	800	1.78	10.80	1.90	.39				
	850	1.89	12.00	2.20	.44				
Spray	900	2.00		2.40	.49				
	950	2.12		2.60	.54				
	1000	2.23		2.80	.59	.19			
	1100	2.45		3.20	.66	.23			
Steam	1200	2.67		3.70	.74	.27			
	1300	2.90		4.50	.88	.31			
	1400	3.12		5.30	1.10	.35	.15		
	1500	3.34		6.20	1.25	.40	.17		
Vacuum	1600	3.56		7.00	1.40	.45	.19		
	1800	4.01		8.80	1.80	.54	.24		
	2000	4.45		16.50	2.20	.64	.29	.14	
	2500	5.57			3.40	.98	.42	.21	
Water <i>Discharge</i> <i>Suction & Discharge</i> <i>Washdown</i>	3000	6.68			4.50	1.40	.58	.29	.14
	3500	7.80			6.20	1.90	.79	.39	.18
	4000	8.91			8.20	2.40	1.00	.50	.23
	4500	10.03			10.20	3.00	1.25	.62	.28
Welding	5000	11.14				3.80	1.50	.74	.34
	6000	13.37				5.20	2.10	1.10	.46
	7000	15.60				7.00	2.80	1.40	.62
	8000	17.82				9.20	3.70	1.80	.80
Coupling Systems	9000	20.05				11.50	4.60	2.30	1.00
	10000	22.28						5.70	2.80
	12000	26.74						6.70	3.70
	14000	31.19						10.00	5.00
Appendix	16000	35.65						13.50	6.80
	18000	40.10							8.80
	20000	44.56							11.00
									5.50

Appendix

Additional Products
Chemical Charts
General Information
Minimum Run Requirements



APPENDIX-GENERAL INFORMATION

Open-End Discharge

The term "open-end discharge" refers to a hose which empties a fluid into the atmosphere. Even though one end is open, the pressure is not low throughout the hose.

The inlet end pressure is equal to that in the line to which the hose is connected unless the flow rate is so low that the hose is not completely filled. The pressure

along the hose length drops from a maximum at the inlet to zero at the outlet and the pressure at any given point along the length is nearly proportional to the distance from the hose inlet.

The following table shows the flow in gallons per minute for various sizes of hoses in open-end discharge service.

Open-End Flow (GPM)

	Pressure at Inlet, psi	Hose Length, feet									Pressure at Inlet, psi	Hose Length, feet							
		25	50	75	100	125	150	200	300			25	50	75	100	125	150	200	300
1/2" hose	30	10.4	6.2	5.6	4.8	4.3	3.8	3.3	2.6	1" hose	30	68.0	46.2	37.5	32.0	28.5	25.8	22.0	17.8
	40	12.1	8.5	6.2	5.6	5.0	4.5	3.8	3.2		40	79.0	54.4	44.0	37.5	33.0	30.0	25.8	20.8
	50	13.8	9.4	7.5	6.4	5.6	5.1	4.0	3.5		50	89.0	62.0	49.0	42.0	37.5	34.0	29.0	23.3
	60	15.2	10.4	8.5	7.1	6.2	5.6	4.9	3.8		60	100.0	68.0	54.4	46.2	41.8	37.5	32.0	25.8
	70	16.6	11.2	9.0	7.8	6.8	6.2	5.3	4.2		70	—	74.0	59.0	51.0	45.0	40.8	37.3	28.0
	80	18.0	12.1	9.8	8.5	7.3	6.6	5.6	4.5		80	—	79.0	63.0	54.4	48.0	43.0	37.5	30.0
	90	19.0	13.0	10.4	8.8	7.7	7.1	6.0	4.8		90	—	84.0	68.0	58.0	51.8	46.2	40.0	32.0
5/8" hose	100	20.1	13.8	11.0	9.4	8.5	7.5	6.4	4.9	1 1/4" hose	100	—	89.0	71.0	62.0	54.4	49.0	42.0	34.0
	125	22.8	15.5	12.5	10.5	9.4	8.5	7.2	5.8		125	—	101.0	80.0	68.0	62.0	55.8	47.8	38.0
	30	18.1	12.5	10.3	8.7	7.7	7.0	6.0	4.9		50	—	110.0	85.0	72.0	56.0	58.0	50.0	42.0
	40	21.4	14.8	12.5	10.3	9.0	8.3	7.0	5.7		75	—	130.0	110.0	90.0	80.0	73.0	64.0	52.0
	50	23.9	16.5	13.2	11.4	10.3	9.2	7.9	6.3		100	—	150.0	125.0	110.0	92.0	85.0	73.0	58.0
	60	26.5	18.1	14.8	12.5	11.2	10.3	8.7	7.0		150	—	—	150.0	130.0	120.0	110.0	90.0	67.0
	70	27.5	20.0	16.0	13.7	12.0	11.0	10.0	7.6	1 3/8" hose	50	—	140.0	115.0	96.0	85.0	75.0	65.0	54.0
3/4" hose	80	30.6	21.4	16.8	14.8	13.0	11.8	10.3	8.3		75	—	170.0	140.0	125.0	110.0	96.0	84.0	67.0
	90	32.5	22.5	18.1	15.5	14.0	12.5	10.5	8.7		100	—	205.0	160.0	140.0	125.0	110.0	96.0	75.0
	100	34.5	23.9	19.0	16.6	14.8	13.2	11.4	9.2		150	—	—	205.0	170.0	155.0	140.0	125.0	97.0
	125	39.0	27.0	21.5	18.5	16.6	15.0	12.9	10.5	2" hose	50	—	380.0	310.0	270.0	240.0	210.0	180.0	150.0
	30	31.0	21.3	17.2	14.8	13.0	11.8	10.2	8.2		75	—	480.0	380.0	330.0	290.0	270.0	230.0	180.0
	40	36.0	25.0	20.0	17.2	15.2	13.8	11.8	9.4		100	—	550.0	450.0	380.0	350.0	310.0	260.0	215.0
	50	41.0	28.0	22.5	19.2	17.2	15.5	13.2	10.7		125	—	—	550.0	480.0	425.0	380.0	330.0	265.0
3/4" hose	60	45.5	31.0	25.0	21.3	19.0	17.2	14.8	11.8	1 1/2" hose	50	—	180.0	150.0	130.0	120.0	105.0	90.0	74.0
	70	49.5	34.0	27.2	23.5	21.0	18.8	17.1	12.8		75	—	230.0	180.0	160.0	145.0	130.0	120.0	90.0
	80	53.0	36.0	29.1	25.0	22.0	20.0	17.2	13.8		100	—	260.0	220.0	180.0	170.0	150.0	130.0	105.0
	90	56.2	39.0	31.0	27.0	23.8	21.3	18.2	14.8		150	—	—	260.0	230.0	205.0	180.0	160.0	130.0
	100	60.0	41.0	33.0	28.0	25.0	22.6	19.2	15.5		50	—	380.0	310.0	270.0	240.0	210.0	180.0	150.0
	125	68.0	46.0	37.5	32.0	23.0	25.8	21.8	17.5		75	—	480.0	380.0	330.0	290.0	270.0	230.0	180.0
											100	—	550.0	450.0	380.0	350.0	310.0	260.0	215.0

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix

Additional
Products
Chemical Charts

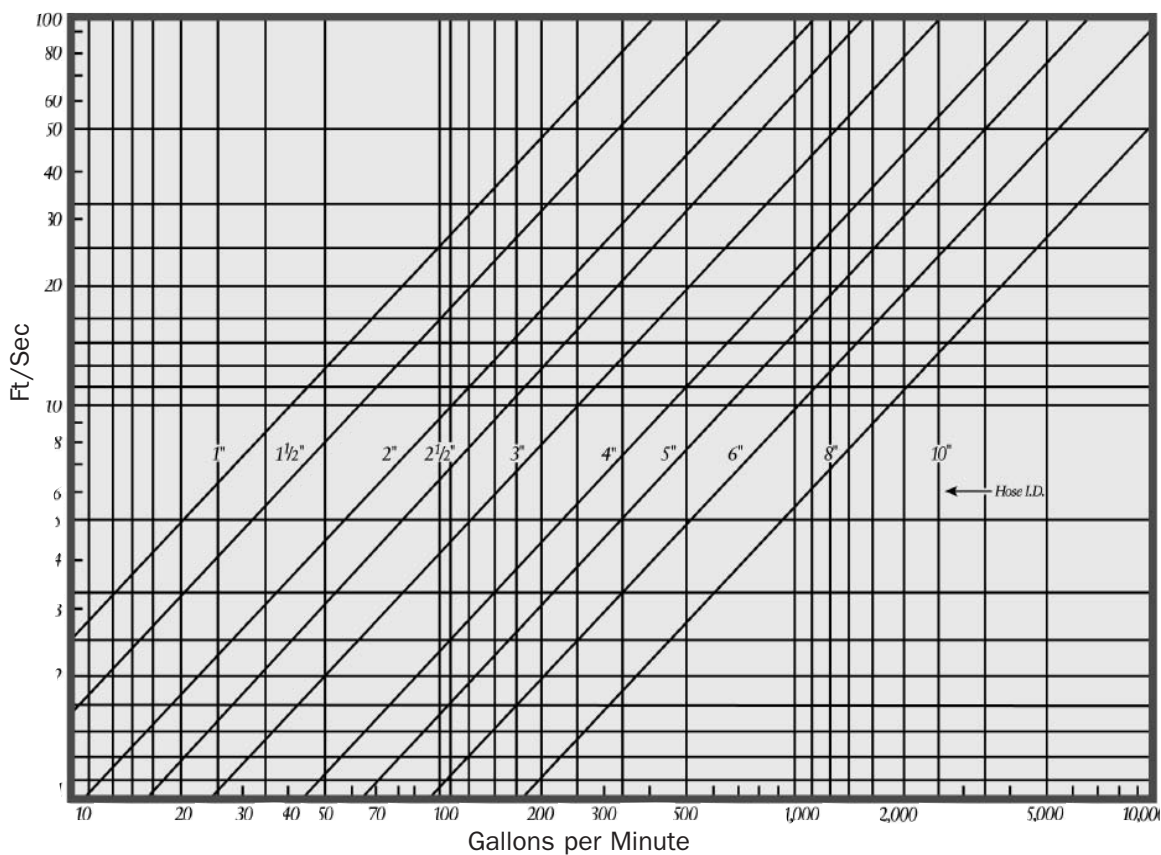
General
Information

Minimum Run
Requirements

APPENDIX-GENERAL INFORMATION

Fluid Velocity vs. Flow Rate

The graph below illustrates the fluid velocity for flow rates up to 10,000 GPM for hose from 1" through 10" I.D.



APPENDIX-GENERAL INFORMATION

RMA OIL AND GASOLINE RESISTANCE

Rubber hose is used to convey petroleum products both in the crude and refined stages. The aromatic content of refined gasoline is often adjusted to control the octane rating. The presence of aromatic hydrocarbons in this fuel generally has a greater effect on rubber components than do aliphatic hydrocarbons. Aromatic materials in contact with rubber tend to soften it and reduce its physical properties. For long-lasting service, the buyer of gasoline hose should inform the hose manufacturer of the aromatic content of the fuel to be handled so that the proper tube compound can be recommended for the specific application.

The effects of oil on rubber depend on a number of factors that include the type of rubber compound the composition of the oil, the temperature, and time of exposure. Rubber compounds can be classified as to their degree of oil resistance based on their physical properties after exposure to a standard test fluid. In this RMA classification, the rubber samples are immersed in IRM 903 oil at 100°C for 70 hours. (See ASTM Method D-471 for a detailed description of the oil and the testing procedure.) As a guide to the user of hose in contact with oil, the oil resistance classes and a corresponding description are listed.

(Reprinted From RMA Hose Handbook IP-2 2003 Edition)

Physical Properties After Exposure to Oil

	Volume Change <u>Maximum</u>	Tensile Strength <u>Retained</u>
Class A (High Oil Resistance)	+25%	80%
Class B (Medium Oil Resistance)	+65%	50%
Class C (Limited Oil Resistance)	+100%	40%

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

APPENDIX-GENERAL INFORMATION

GOODYEAR FOOD HOSE STANDARDS

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

FDA COMPLIANT

All Goodyear hoses having the "FDA" designation have tubes made with FDA/USDA compliant materials. The requirements for rubber tubes are described in the Code of Federal Regulations standard 21 CFR 177.2600 while plastic tubes are described in 21 CFR 175.300.

NSF 61

Clear Pliovic® tubes are certified as meeting the NSF 61 potable water standard.

3-A SANITARY

All Goodyear rubber hoses having the "3-A" designation meet the requirements of the dairy industrial standard described in 3-A Sanitary Standard 18-03, Class III which determines rubber materials suitable for temperature of exposure to product up to 120°F and temperature of exposure to chemical solutions used in cleaning and bacterial treatment up to 180°F.

All Goodyear plastic hoses having the "3-A" designation meet the requirements of the dairy industrial standard described in 3-A Sanitary Standard 20-20 and are recommended for transmission of raw and pasteurized milk and other high water content dairy items.

In order to ensure compliance with the above standards, all Goodyear hoses shall be thoroughly cleansed prior to their first use in accordance with good manufacturing and use practices.

Appendix

Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



APPENDIX-GENERAL INFORMATION

PRECAUTIONS FOR WELDING HOSE USE

- FOREWORD:** This bulletin is issued to alert dealers and users of welding hose that special hose may be necessary for use with certain fuel gases.
- SCOPE:** This bulletin relates to welding hose manufactured in conformance to RMA/CGA specification or to welding hose conforming to individual manufacturer or user specifications.
- CAUTION:** The fuel gases listed below are recorded to alert welding hose users to a potential hazard with these or similar gases. It should be noted that no condemnation of any of the gases listed is intended. The purpose is to advise against the use of hose that may not be designed for a particular gas or pressure. A user of any fuel gas is urged to relate the type of gas along with the expected working pressure (regulator setting) to the hose manufacturer for a specific hose recommendation.
- ALERT LISTING:** These and similar fuel gases may damage some grades or types of welding hose:
- APACHI, FLAMEX, MAPP, PROPANE, PROPYLENE.**
- Use of the indicated or similar fuel gases at regulator settings above 40 psi may be particularly hazardous.
- Users are also alerted against the use of ACETYLENE at any pressure above 15 psi.

IN-SERVICE CAUTION:

The user is first cautioned to shut off the gas at the torch and then at the regulator or supply source when the torch will not be used for periods in excess of 30 minutes, in order to limit permeation of gas through the hose wall.

The user is further cautioned not to shut off the fuel gas at the regulator or supply source first as a flashback may result and thereby damage the hose.

Adequate ventilation must be provided in confined areas where fuel gas is being used to prevent the accumulation or concentration of gas that could be explosive or otherwise harmful to personnel.

WARNING:

THE USE OF CERTAIN FUEL GASES MAY DAMAGE
WELDING HOSE AND LEAD TO
FIRES AND EXPLOSIONS.

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

APPENDIX-GENERAL INFORMATION

PRODUCTION RUN MINIMUM REQUIREMENTS KEY

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

ORDER CODE PREFIX	MANUFACTURING FACILITY	SIZE (ID)	CONSTRUCTION	MINIMUM PRODUCTION RUN
532	Norfolk	3/16"-2" 3/16"-2"	Textile Reinforcement Wire Reinforcement	2,500 feet 5,000 feet
535	Norfolk	3/16"-1/2" 5/8"-2"	Textile Reinforcement	5,000 feet 2,500 feet
536	Norfolk	3/16"-1/2" 5/8"-2"	Textile Reinforcement	5,000 feet 2,500 feet
537	Cosmoflex	1 1/4"-1 1/2" 2" 2 1/2"-3" 4"-6"		25,000 feet 20,000 feet 15,000 feet 9,000 feet
539	Norfolk	3/16"-1/2" 5/8"-2"	Wire Reinforcement	5,000 feet 2,500 feet
540	Cosmoflex	1 1/4"-3/8" 1/2"-1"		30,000 feet 10,000 feet
541	Granford	1"-12" 12"-18"	Handbuilt Handbuilt	Built to length, Max 100' Built to length, Max 50'
542	Granford	1/2"-6 5/8"	Ply or Ply with Helic Wire	400 feet increments ¹
543	Granford	1/2"-6 5/8"	Ply	400 feet increments ¹
546	Granford	1/2"-6 5/8"	Ply	400 feet increments ¹
549	Granford	1/2"-6 5/8"	Ply	400 feet increments ¹
569*	Mt. Pleasant	3/16"-1 1/2"		30,000 feet
586	Cosmoflex	3/4"-1" 1 1/4"-2" 2 1/2"-3" 4" 5" 6" 7" 8"-10"		3,000 feet 3,000 feet 1,000 feet 1,000 feet 500 feet 500 feet 400 feet 200 feet
595*	Mt. Pleasant	3/16"-1/2" 5/8"-1" 1 1/4"-2"		30,000 feet 20,000 feet 15,000 feet
598*	Mt. Pleasant	3/16"-1/2" 5/8"-1" 1 1/4"-2"		30,000 feet 20,000 feet 15,000 feet

Note: Certain special manufacturing items may require longer minimum runs.

Samples: Contact Customer Service for sample availability.

* Minimum production runs are a guide only, they are subject to change without notification.

¹ Granford hoses with ply/helic wire construction in 6" ID and above require a 200' increment production run.

Appendix

Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



NOTES

Air &
Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical
Transfer

Cleaning
Equipment

Food
Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Transfer

Spray

Steam

Vacuum

Water
Discharge
Suction &
Discharge
Washdown

Welding

Coupling
Systems

Appendix
Additional
Products
Chemical Charts
General
Information
Minimum Run
Requirements



U.S.A.
1-800-235-4632
FAX 1-800-762-4017

CANADA
1-888-275-4397
FAX 1-888-464-4397

GOODYEAREP.COM



DISTRIBUTED BY

CAT# 07-130
SAP 20095730
700-821-947-130

05GHOS003-04/07

Conveyor Belt, Hydraulic Hose and Fittings, Industrial Hose,
Lightweight Conveyor Belt, Power Transmission Products,

GOODYEAR
RUBBER PRODUCTS INC.

Call Toll Free: **1-866-711-4673**
WebSales@GoodyearRubberProducts.com

**We Ship
World Wide**