

Submittal Package

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Viega® PEX Press Polymer Fittings for Use with Viega PEX Tubing

Project: _____

Engineer: _____

Contractor: _____

Submitted By: _____

- ☐ Potable Water
- ☐ Residential Fire Sprinkler
- ☐ Other _____

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Viega® PEX Press Polymer Fittings for Use with Viega PEX Tubing

Technical Data

Materials:

Fittings	Radel R® polymer
Press Sleeves	304 Stainless Steel
PEX Press Polymer Manifolds	Radel R® polymer
ViegaPEX Ultra Tubing	PEX (crosslinked polyethylene)
FostaPEX Tubing	PEX base tubing with aluminum and PE outer layers

Applications

Viega PEX Press Polymer fittings are intended for use in potable water systems, hydronic heating or snow melting applications, and residential fire sprinkler systems meeting the NFPA 13D*. These fittings incorporate the Smart Connect® feature and attached stainless steel press sleeves with tool locator ring to be used as connections for ViegaPEX Ultra, ViegaPEX Barrier, and FostaPEX® tubing in 3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2" and 2" sizes as available. The connections are to be completed with the aid of a Viega PEX Press Hand Tool or Viega PEX Press Power Tool.

Installation

- Use only Viega PEX tubing and approved tools to make connections
- Keep flame and excessive heat away from tubing and connections.
- Refer to the Viega PEX Water Systems Installation Manual for additional information.

Certifications

cNSF®us pw

- NSF International Performance and Health Effects (Standards 14 & 61)
- NSF certified to CSA B137.5 (Canadian Standards Association)

NSF Certified to NSF-U.P. Code

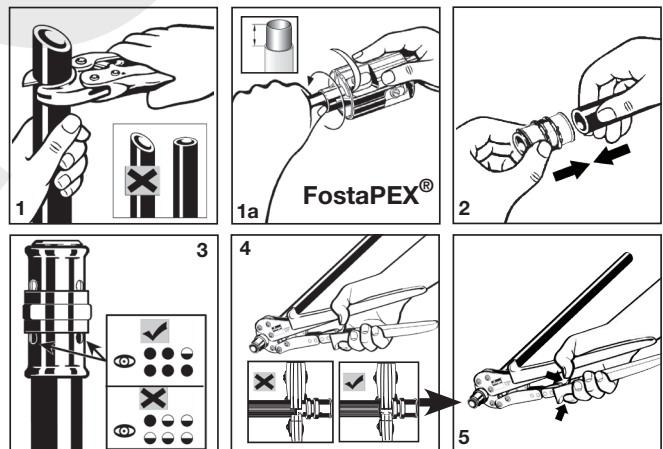
- approved for Uniform Plumbing Code, listed to ASTM F876 / F877



- ICC ES-PMG™ 1038 / 1015 plumbing and heating systems



- UL certified to UL 1821 listing (130 psi @ 120°F) for use in multipurpose residential fire sprinkler systems per NFPA 13D*.



* ViegaPEX Ultra Black in 3/4" through 2" sizes only.

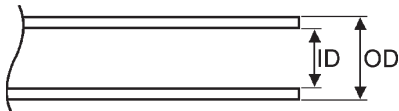
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ViegaPEX Ultra Tubing

Material.....PEX crosslinked polyethylene
Temperature/Pressure Ratings...200°F at 80 psi
180°F at 100 psi
73.4°F at 160 psi
Linear Expansion Rate.....1.1 in./100 ft./10°F



Nominal Size	Inner Diameter	Outer Diameter	Wall Thickness
3/8"	0.350	0.500±.003	0.070±.010
1/2"	0.475	0.625±.004	0.070±.010
3/4"	0.671	0.875±.004	0.097±.010
1"	0.863	1.125±.005	0.125±.013
1 1/4"	1.053	1.375±.005	0.153±.015
1 1/2"	1.243	1.625±.006	0.181±.019
2"	1.629	2.125±.006	0.236±.024

FostaPEX Tubing

Material.....PEX crosslinked polyethylene with aluminum and PE outer layers
Temperature/Pressure Ratings...200°F at 80 psi
180°F at 100 psi
73.4°F at 160 psi
Linear Expansion Rate.....0.16 in./100 ft./10°F



Nominal Size	Inner Diameter	Outer Diameter	Wall Thickness
1/2"	0.475	0.625±.004	0.070±.010
3/4"	0.671	0.875±.004	0.097±.010
1"	0.863	1.125±.005	0.125±.013

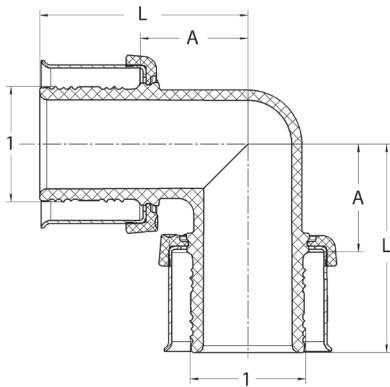
NOTE: Dimensions are in English units. Tolerances shown are ASTM requirements. FostaPEX is manufactured within these specifications. (These dimensions do not reflect the outer aluminum and PE layers.)

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Viega® PEX Press Polymer Fittings for Use with Viega PEX Tubing

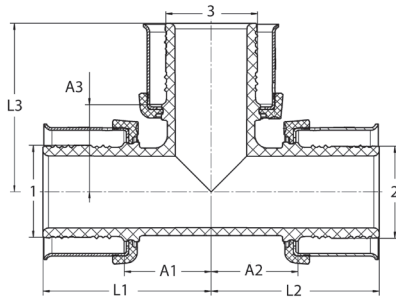
Viega PEX Press 90° Elbow Zero Lead Polymer - Model V5616



Part No	Size	A (in)	L (in)
	1		
49210	3/8"	0.512	1.106
49220	1/2"	0.512	1.106
49240	3/4"	0.677	1.272
49260	1"	0.768	1.520
49270	1 1/4"	0.980	2.075
49280	1 1/2"	1.094	2.189
49290	2"	1.646	2.717

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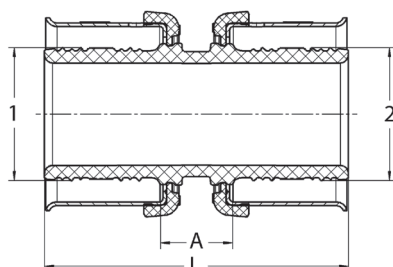


Viega PEX Press Tee Zero Lead Polymer - Model V5618

Part No	Size	A1 (in)	A2 (in)	A3 (in)	L1 (in)	L2 (in)	L3 (in)
	1 2 3						
49200	3/8"	0.512	0.512	0.512	1.106	1.106	1.106
49322	1/2" x 3/8" x 3/8"	0.492	0.441	0.535	1.087	1.035	1.130
49332	1/2" x 1/2" x 3/8"	0.492	0.492	0.535	1.087	1.087	1.130
49520	1/2"	0.512	0.512	0.512	1.106	1.106	1.106
49334	1/2" x 1/2" x 3/4"	0.669	0.669	0.598	1.264	1.264	1.193
49433	3/4" x 1/2" x 1/2"	0.587	0.492	0.685	1.181	1.087	1.280
49443	3/4" x 3/4" x 1/2"	0.587	0.587	0.685	1.181	1.181	1.280
49434	3/4" x 1/2" x 3/4"	0.705	0.705	0.705	1.299	1.299	1.299
49540	3/4"	0.705	0.705	0.705	1.299	1.299	1.299
49533	1" x 1/2" x 1/2"	0.587	0.492	0.744	1.339	1.087	1.339
49543	1" x 3/4" x 1/2"	0.598	0.587	0.744	1.350	1.181	1.339
49544	1" x 3/4" x 3/4"	0.713	0.654	0.847	1.469	1.252	1.437
49535	1" x 1/2" x 1"	0.807	0.768	0.807	1.559	1.362	1.559
49545	1" x 3/4" x 1"	0.835	0.768	0.835	1.591	1.366	1.591
49553	1" x 1" x 1/2"	0.587	0.587	0.744	1.339	1.339	1.339
49554	1" x 1" x 3/4"	0.713	0.713	0.843	1.469	1.469	1.437
49560	1"	0.713	0.713	0.713	1.469	1.469	1.469
49754	1 1/4" x 1" x 3/4"	0.732	0.665	0.933	1.823	1.417	1.528
49755	1 1/4" x 1" x 1"	0.843	0.776	0.906	1.937	1.528	1.661
49774	1 1/4" x 1 1/4" x 3/4"	0.732	0.732	0.933	1.823	1.823	1.528
49775	1 1/4" x 1 1/4" x 1"	0.843	0.843	0.909	1.937	1.937	1.661
49570	1 1/4"	0.976	0.976	0.976	2.067	2.067	2.067
49854	1 1/2" x 1" x 3/4"	0.724	0.787	1.028	1.815	1.539	1.626
49855	1 1/2" x 1" x 1"	0.850	0.913	1.028	1.941	1.665	1.780
49874	1 1/2" x 1 1/4" x 3/4"	0.772	0.772	1.039	1.815	1.815	1.626
49875	1 1/2" x 1 1/4" x 1"	0.898	0.898	1.059	1.941	1.941	1.791
49877	1 1/2" x 1 1/4" x 1 1/4"	1.020	1.020	1.114	2.063	2.063	2.161
49884	1 1/2" x 1 1/2" x 3/4"	0.724	0.724	1.031	1.815	1.815	1.598
49885	1 1/2" x 1 1/2" x 1"	0.850	0.850	1.039	1.941	1.941	1.780
49887	1 1/2" x 1 1/2" x 1 1/4"	0.972	0.972	1.071	2.063	2.063	2.150
49580	1 1/2"	1.091	1.091	1.091	2.181	2.181	2.181
49984	2" x 1 1/2" x 3/4"	1.067	1.098	1.421	2.142	2.146	1.988
49985	2" x 1 1/2" x 1"	1.067	1.098	1.413	2.142	2.146	2.146
49987	2" x 1 1/2" x 1 1/4"	1.252	1.098	1.504	2.327	2.146	2.500
49988	2" x 1 1/2" x 1 1/2"	1.252	1.213	1.457	2.327	2.260	2.500
49994	2" x 2" x 3/4"	0.984	0.984	1.496	2.055	2.055	2.047
49995	2" x 2" x 1"	1.102	1.102	1.531	2.173	2.173	2.264
49997	2" x 2" x 1 1/4"	1.252	1.252	1.496	2.327	2.327	2.539
49998	2" x 2" x 1 1/2"	1.370	1.370	1.457	2.445	2.445	2.500
49590	2"	1.646	1.646	1.646	2.717	2.717	2.717

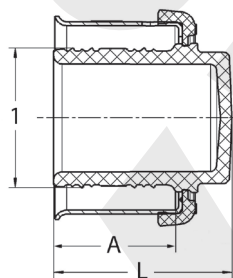
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Viega PEX Press Coupling Zero Lead Polymer - Model V5615

Part No	Size	A (in)	L (in)
	1 2		
49402	3/8"	0.469	1.661
49342	1/2" x 3/8"	0.417	1.610
49403	1/2"	0.469	1.661
49404	3/4"	0.469	1.661
49343	3/4" x 1/2"	0.429	1.622
49354	1" x 3/4"	0.469	1.819
49405	1"	0.469	1.976
49347	1 1/4" x 3/4"	0.654	2.339
49357	1 1/4" x 1"	0.484	2.327
49407	1 1/4"	0.512	2.693
49348	1 1/2" x 3/4"	0.685	2.370
49358	1 1/2" x 1"	0.622	2.465
49378	1 1/2" x 1 1/4"	0.500	2.689
49408	1 1/2"	0.512	2.693
49398	2" x 1 1/2"	1.051	3.157
49409	2"	1.016	3.157

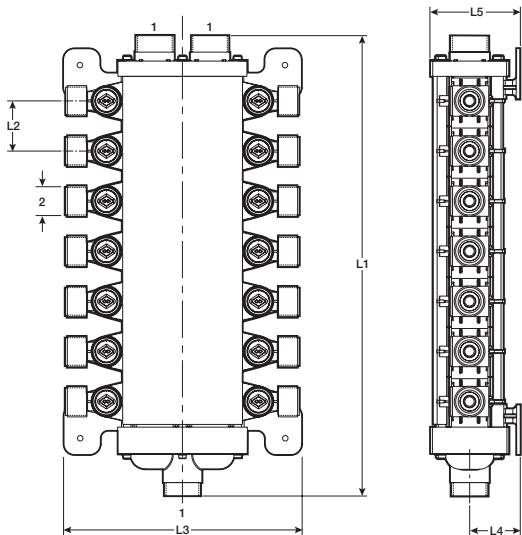


Viega PEX Press Test Plug Zero Lead Polymer - Model V5656

Part No	Size	A (in)	L (in)
	1		
49722	3/8"	0.595	0.949
49723	1/2"	0.595	0.949
49744	3/4"	0.595	0.949
49765	1"	0.752	1.102
49770	1 1/4"	1.095	1.460
49780	1 1/2"	1.095	1.460
49790	2"	1.072	1.933

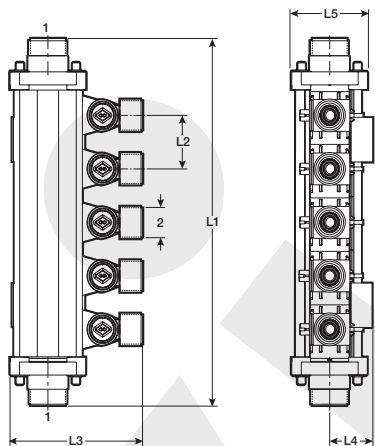
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Viega ManaBloc Distribution Manifold Zero Lead Press - Model V5630

Part Number	Size	Ports	L1	L2	L3	L4	L5
	1 2						
49143	1" x 5/8" NPSM	14	15.44"	1.68"	8.00"	1.70"	3.00"
49183	1" x 5/8" NPSM	18	18.80"	1.68"	8.00"	1.70"	3.00"
49243	1" x 5/8" NPSM	24	23.78"	1.68"	8.00"	1.70"	3.00"
49303	1" x 5/8" NPSM	30	28.88"	1.68"	8.00"	1.70"	3.00"
49363	1" x 5/8" NPSM	36	33.92"	1.68"	8.00"	1.70"	3.00"



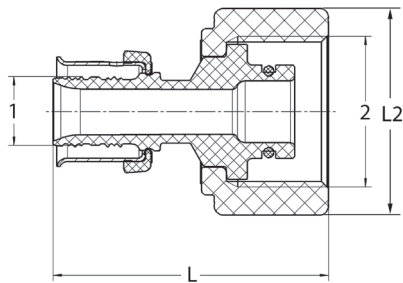
Viega MiniBloc Zoning Manifold Zero Lead Press - Models V5650, V5660

Part Number	Size	Ports	L1	L2	L3	L4	L5
	12						
49033	1" x 5/8" NPSM	3	8.19"	1.68"	4.37"	1.42"	4.75"
49043	1" x 5/8" NPSM	4	9.87"	1.68"	4.37"	1.42"	4.75"
49453*	1" x 5/8" NPSM	5	11.55"	1.68"	4.37"	1.42"	4.75"
49063	1" x 5/8" NPSM	6	13.23"	1.68"	4.37"	1.42"	4.75"
49473*	1" x 5/8" NPSM	7	14.91"	1.68"	4.37"	1.42"	4.75"
49083	1" x 5/8" NPSM	8	16.59"	1.68"	4.37"	1.42"	4.75"
49410*	1" x 5/8" NPSM	10	19.95"	1.68"	4.37"	1.42"	4.75"

*Manifold incorporates hot and cold ports.

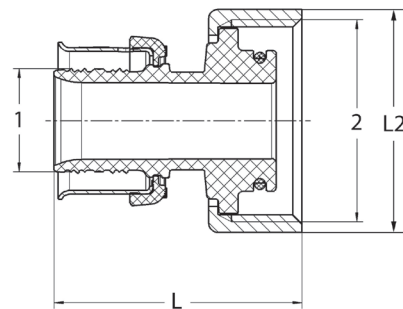
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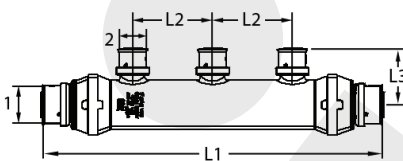
Viega PEX Press Port Adapter Zero Lead Polymer P x Port - Model V5613.1

Part No	Size	L (in)	L2 (in)
	1 2		
49234	1/2" x 1/2" Port	1.890	1.4
49224	3/8" x 1/2" Port	1.890	1.4



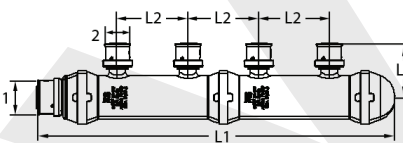
Viega PEX Press Supply Adapter Zero Lead Polymer for ManaBloc P x Supply - Model V5613.2

Part No	Size	L (in)	L2 (in)
	1 2		
49414	3/4" x 1" MANABLOC	1.59	1.45
49416	1" x 1" MANABLOC	1.75	1.45



Viega PEX Press Manifold Zero Lead Polymer Flow Through - Model V5636

Part No	Size	L1 (in)	L2 (in)	L3 (in)
	1 2			
49152	3/4" x 1/2" (2 outlets)	6.58	2.00	1.42
49153	3/4" x 1/2" (3 outlets)	8.58	2.00	1.42
49054	3/4" x 1/2" (4 outlets)	10.58	2.00	1.42
49254	1" x 3/4" x 1/2" (4 outlets)	10.72	2.00	1.42
49256	1" x 1/2" (6 outlets)	14.85	2.00	1.42
49258	1" x 1/2" (8 outlets)	18.85	2.00	1.42

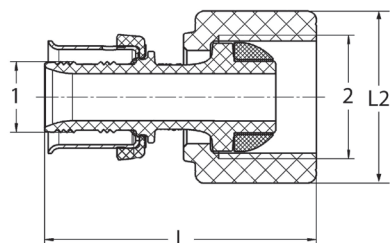


Viega PEX Press Manifold Zero Lead Polymer Closed - Model V5636.1

Part No	Size	L1 (in)	L2 (in)	L3 (in)
	1 2			
49004	3/4" x 1/2" (4 outlets)	10.14	2.00	1.42
49206	1" x 1/2" (6 outlets)	14.27	2.00	1.42

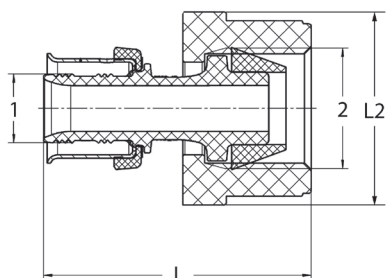
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Viega PEX Press Lav Adapter Zero Lead Polymer P x Lav - Model V5613.3

Part No	Size		L (in)	L2 (in)
	1	2		
49324	3/8" x 1/2" Lav		1.819	1.15
49333	1/2" x 1/2" Lav		1.819	1.15
49344	3/4" x 3/4" Lav		1.783	1.15

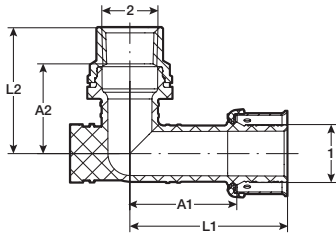


Viega PEX Press Closet Adapter Zero Lead Polymer P x Closet - Model V5613.4

Part No	Size		L (in)	L2 (in)
	1	2		
49223	3/8" x 1/2" Closet		1.839	1.3
49233	1/2" x 1/2" Closet		1.839	1.3

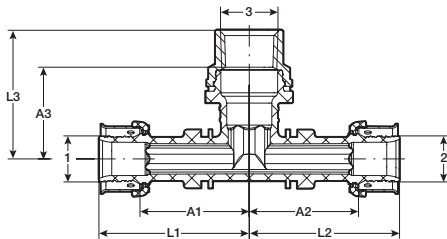
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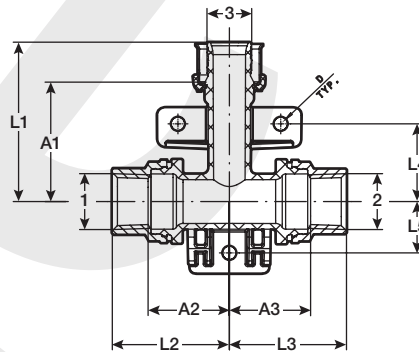
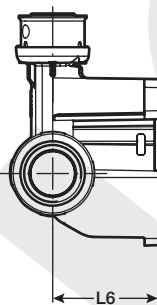
Viega PEX Press 90° Elbow Zero Lead Polymer for Fire Sprinkler Systems P x FPT - Model V5645ZL

Part No	Size		A1 (in)	A2 (in)	L1 (in)	L2 (in)
	1	2				
49135	¾" x ½" FPT		1.59	1.33	2.19	1.87
49145	1" x ½" FPT		1.59	1.33	2.34	1.87



Viega PEX Press Tee Zero Lead Polymer for Fire Sprinkler Systems P x P x FPT - Model V5642ZL

Part No	Size			A1 (in)	A2 (in)	A3 (in)	L1 (in)	L2 (in)	L3 (in)
	1	2	3						
49120	¾" x ¾" x ½" FPT			1.59	1.59	1.33	2.19	2.19	1.87
49130	1" x ¾" x ½" FPT			1.59	1.59	1.33	2.34	2.19	1.87
49140	1" x 1" x ½" FPT			1.59	1.59	1.33	2.34	2.34	1.87

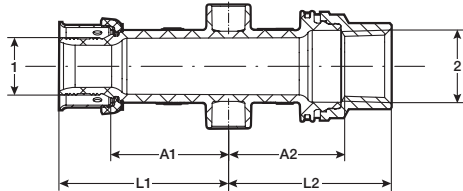


Viega PEX Press Wall Tee Zero Lead Polymer for Fire Sprinkler Systems FPT x FPT x P - Model V5641ZL

Part No	Size			A1 (in)	A2 (in)	A3 (in)	L1 (in)	L2 (in)	L3 (in)	L4 (in)	L5 (in)	L6 (in)	D (in)
	1	2	3										
49100	½" FPT x ½" FPT x ¾"			1.79	1.21	1.21	2.38	1.75	1.75	1.16	0.77	1.57	0.20
49110	½" FPT x ½" FPT x 1"			1.79	1.21	1.21	2.54	1.75	1.75	1.16	0.77	1.57	0.20

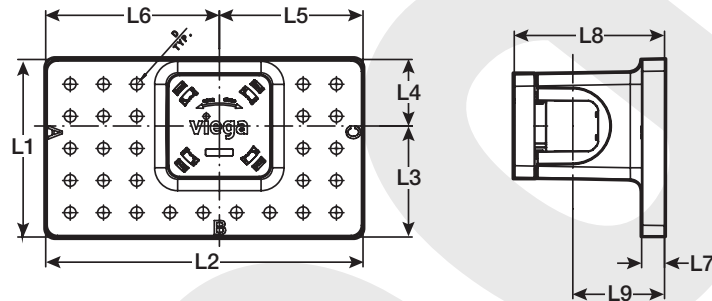
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Viega PEX Press Adapter Zero Lead Polymer for Fire Sprinkler Systems P x FPT - Model V5644ZL

Part No	Size		A1 (in)	A2 (in)	L1 (in)	L2 (in)
	1	2				
49132	¾" x ½" FPT		1.35	1.33	1.95	1.87



Viega PEX Press Replacement Bracket, Plastic, for Fire Sprinkler Systems - Model V5643ZL

Part No	L1 (in)	L2 (in)	L3 (in)	L4 (in)	L5 (in)	L6 (in)	L7 (in)	L8 (in)	L9 (in)	D (in)
49150	3.05	5.44	1.91	1.14	2.46	2.98	0.39	2.58	1.57	0.20

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SM-PF 0315 (PEX Press Polymer)

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