

GORE® STA-PURE PFL



GORE® STA-PURE PFL tubing

Features and benefits

- Highly resistant to aggressive chemicals, including organic solvents
- 50 times longer life than other fluoroelastomers
- Stable flow rate over time
- Pressures up to 60 psi
- Suitable for CIP/SIP
- Operating temperature -4 °F to 176 °F
- Available in 20 different bore sizes, three wall thicknesses and three element lengths
- STA-PURE PFL are trademarks of WL Gore & Associates Inc.



Technical specifications

GORE® STA-PURE PFL	
Bore size	0.0625 - 0.6692 in (1.6 - 17 mm)
Wall thickness	0.0625 - 0.1875 in (1.6 - 4.8 mm)
Length	12 - 24 in (305 - 610 mm)
Colour	Off-white
Transparency	Opaque
Spallation	Very low
Certification and compliance	USP Class VI
Operating temperature	-4 °F to 176 °F (-20 °C to 80 °C)
Hardness, shore A (5sec)	85+/-10
UV resistance	Excellent
Water absorption	Low
Sterilisation methods	Autoclave, CIP, SIP

<p>ASTM methods Hardness: ASTM D 2240; Specific gravity: ASTM D 792; Tear B, Ultimate tensile strength, Elongation at break, Tensile stress at 100 % elongation; ASTM D 412</p>

Materials of construction

GORE® STA-PURE PFL	
Tubing	Composite of expanded polytetrafluoroethylene (ePTFE) and a platinum-cured perfluoroelastomer

Product codes

STA-PURE PFL pump tubing sizes available						
Bore		Wall		No	Element length	Part number
mm	inch	mm	inch		mm	
1.6	1/16	1.6	1/16	14	305	966.0016.016
3.2	1/8	1.6	1/16	16	305	966.0032.016
4.8	3/16	1.6	1/16	25	305	966.0048.016
6.4	1/4	1.6	1/16	17	305	966.0064.016
8.0	5/16	1.6	1/16	18	305	966.0080.016
1.6	1/16	1.6	1/16	14	355	966.0016.L16
3.2	1/8	1.6	1/16	16	355	966.0032.L16
4.8	3/16	1.6	1/16	25	355	966.0048.L16
6.4	1/4	1.6	1/16	17	355	966.0064.L16
8.0	5/16	1.6	1/16	18	355	966.0080.L16
1.6	1/16	2.4	3/32	119	355	966.0016.024
3.2	1/8	2.4	3/32	120	355	966.0032.024
4.8	3/16	2.4	3/32	15	355	966.0048.024
6.4	1/4	2.4	3/32	24	355	966.0064.024
8.0	5/16	2.4	3/32	121	355	966.0080.024
9.6	3/8	2.4	3/32	122	610	966.0096.024
6.4	1/4	3.2	1/8	26	610	966.0064.032
9.6	3/8	3.2	1/8	73	610	966.0096.032
12.0	15/32	4.0	5/32	-	610	966.0120.040
12.7	1/2	3.2	1/8	82	610	966.0127.032
12.7	1/2	4.8	3/16	-	610	966.0127.048
15.9	5/8	3.2	1/8	184	610	966.0159.032
17.0	43/64	4.0	5/32	-	610	966.0170.040

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