

## GORE® STA-PURE Series PFL

PTFE-reinforced fluoroelastomer tubing

Ideal for:  
**Pharmaceutical,  
chemical and solvent-  
based processing  
applications**

STA-PURE PFL handles nearly all aggressive chemicals, including organic solvents such as methyl ethyl ketone, toluene and acetone.

- Highly resistant to aggressive chemicals, including organic solvents
- 50 times longer life than other fluoroelastomers
- Stable flow rate over time
- Pressures up to 4bar
- Suitable for CIP/SIP



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## Unbeatable compatibility

STA-PURE PFL is a high-performance composite of PTFE and a high-grade fluoroelastomer, giving extraordinary chemical resistance, extremely long life and very high burst pressures. It is free from plasticisers, acid acceptors and other processing aids, making it one of the purest tubings available.

Leachability tests using ethyl acetate yielded over 100 times less total extractables than other fluoroelastomer tubing materials. In addition, STA-PURE PFL meets USP Class VI for pharmaceutical applications.

STA-PURE PFL is available as LoadSure elements for pressure capabilities up to 4bar.

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
12.7	1/2	3.2	1/8	82	610	966.0127.032
15.9	5/8	3.2	1/8	184	610	966.0159.032

STA-PURE PFL	Characteristics
Material	ePTFE and fluoroelastomer composite
Colour/transparency	Off-white/opaque
Spallation	Very low
Life/hours	313/314 pumpheads - 6000 hrs 520R pumpheads - 6000 hrs 620R pumpheads - 6000 hrs
Certification	USP Class VI
Sterilisation methods	Autoclave, CIP, SIP: ask Watson-Marlow
Operating temperature	-20C to 80C
Hardness, shore A (5sec)	85 ±10
UV resistance	Excellent
Water absorption	Low

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