

GORE® STA-PURE Series PFL

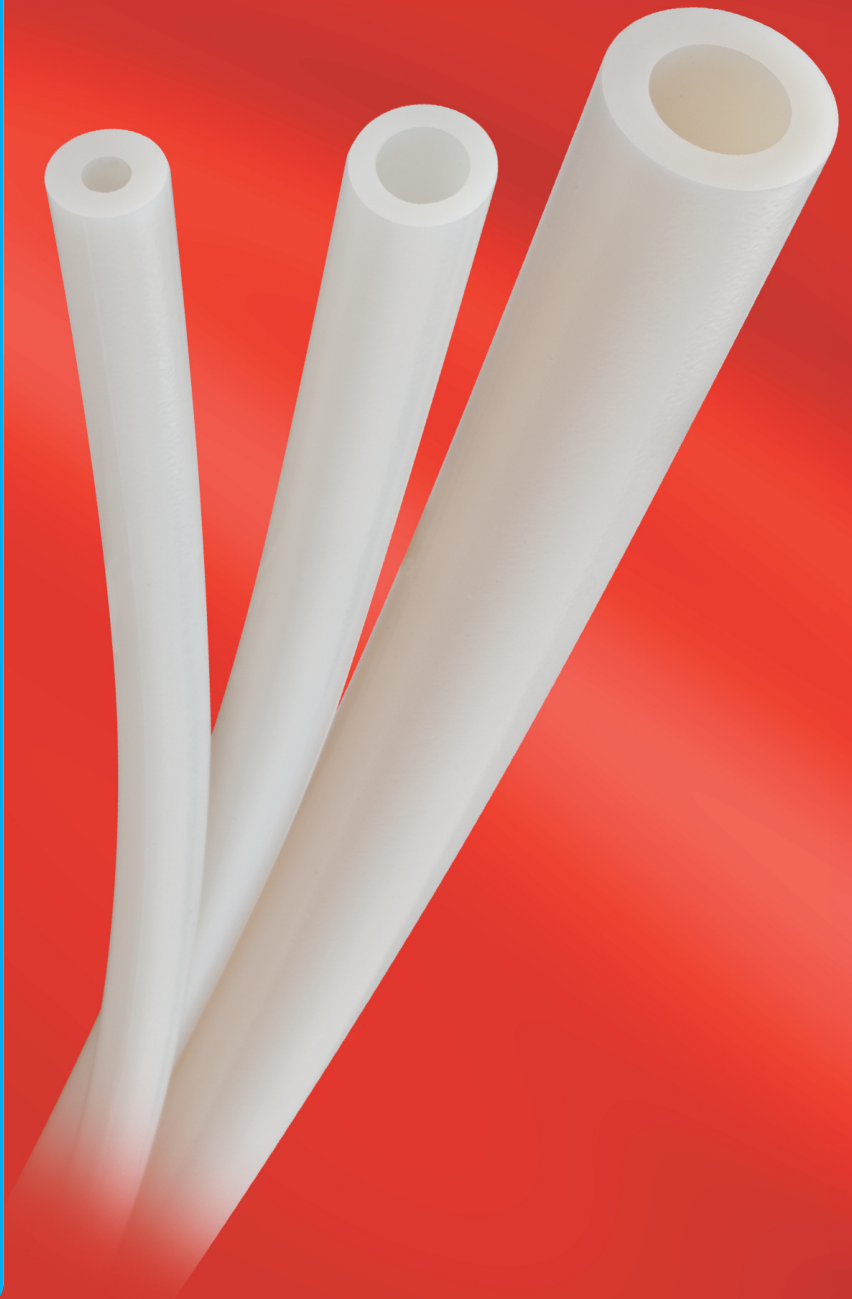
PTFE-reinforced fluoroelastomer tubing

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 4 bar
- Suitable for CIP/SIP



Gore® STA-PURE Series PCS

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 has Class VI tests for pharmaceutical applications.

STA-PURE PFL	Typical Values
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

STA-PURE PFL pump tubing sizes available						
Bore		Wall		No	Element length mm	Part number
mm	inch	mm	inch			
1.6	1/16	1.6	1/16	14	305	965.0016.016
3.2	1/8	1.6	1/16	16	305	965.0032.016
4.8	3/16	1.6	1/16	25	305	965.0048.016
6.4	1/4	1.6	1/16	17	305	965.0064.016
8.0	5/16	1.6	1/16	18	305	965.0080.016
1.6	1/16	1.6	1/16	14	355	965.0016.L16
3.2	1/8	1.6	1/16	16	355	965.0032.L16
4.8	3/16	1.6	1/16	25	355	965.0048.L16
6.4	1/4	1.6	1/16	17	355	965.0064.L16
8.0	5/16	1.6	1/16	18	355	965.0080.L16
1.6	1/16	2.4	3/32	119	355	965.0016.024
3.2	1/8	2.4	3/32	120	355	965.0032.024
4.8	3/16	2.4	3/32	15	355	965.0048.024
6.4	1/4	2.4	3/32	24	355	965.0064.024
8.0	5/16	2.4	3/32	121	355	965.0080.024
9.6	3/8	2.4	3/32	122	610	965.0096.024
6.4	1/4	3.2	1/8	26	610	965.0064.032
9.6	3/8	3.2	1/8	73	610	965.0096.032
12.7	1/2	3.2	1/8	82	610	965.0127.032
15.9	5/8	3.2	1/8	184	610	965.0159.032