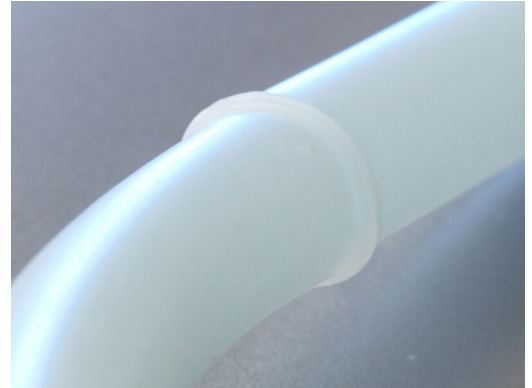


PureWeld XL weldable TPE tubing

PureWeld XL TPE Tubing

Features and benefits

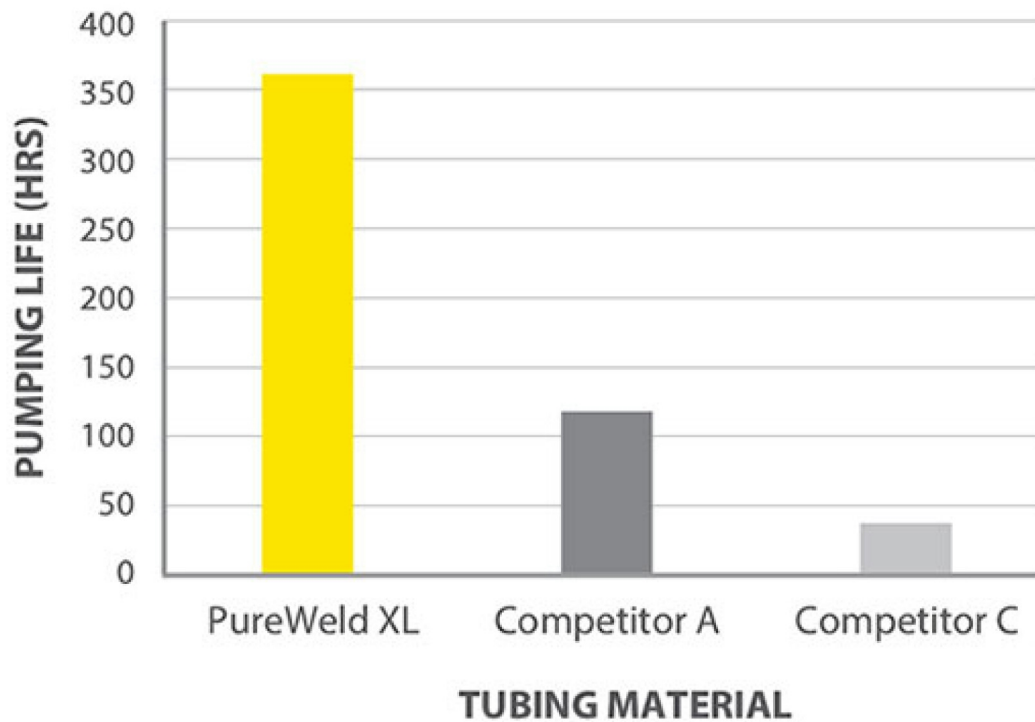
- Reduces inventory and minimises fluid contact materials
- Full compendial data to USP <788> for sub-visible particulates
- EP 2.6.14, USP<85> for bacterial endotoxins
- Suitable for sterilization by Gamma irradiation
- Animal-derived content free (ADCF)



Performance

Pumping life

Pumping life at 2 bar discharge pressure



Technical specifications

	PureWeld XL weldable TPE tubing
Bore size	0.02 - 1 in (0.5 - 25.4 mm)
Wall thickness	1.6 - 4.8 mm
Wall thickness	0.0625 - 0.1875 in
Length	15 - 152 m
Colour	Colorless
Transparency	Opaque
Spallation	Very low
Certification and compliance	EC 1935/2004, FDA 21CFR177.1810, USP <661>, USP <788>, USP <85>, USP Class VI
Operating temperature	-4 °F to 176 °F (-20 °C to 80 °C)
Hardness, shore A (5sec)	65-73
Specific gravity	0.89-0.91 g/cm ³
UV resistance	Good
Tear B	>171 ppi (>30 kN/m)
Ultimate tensile strength	63-180 bar
Ultimate tensile strength	116 - 261 psi (8 - 18 Mpa)
Elongation at break	>450 %
Tensile stress at 100% elongation	348 - 507 psi (2.4 - 3.5 MPa)
Gas permeability rating	Low
Compression set	<80 %
Water absorption	Low
Gamma stability	25 to 50kGy
Sterilisation methods	Gamma

ISO Hardness: ISO 868; Specific gravity: ISO2781; Tear B, Ultimate tensile strength, Elongation at break, Tensile stress at 100 % elongation; ISO37-2005. Values reported above are not intended for sales specification and some of the properties are not routinely measured.

Materials of construction

	PureWeld XL weldable TPE tubing
Tubing	SEBS

Product codes

PureWeld XL peristaltic pump tubing sizes available				
Bore		Wall		Part number
mm	inch	mm	inch	
0.5	1/50	1.6	1/16	942.0005.016
1.6	1/16	1.6	1/16	942.0016.016
1.6	1/16	2.4	3/32	942.0016.024
3.2	1/8	1.6	1/16	942.0032.016
4.8	3/16	1.6	1/16	942.0048.016
4.8	3/16	2.4	3/32	942.0048.024
6.4	1/4	1.6	1/16	942.0064.016
6.4	1/4	2.4	3/32	942.0064.024
8.0	5/16	1.6	1/16	942.0080.016
8.0	5/16	2.4	3/32	942.0080.024
9.6	3/8	2.4	3/32	942.0096.024
9.6	3/8	3.2	1/8	942.0096.032
9.6	3/8	4.8	3/16	942.0096.048
12.0	15/32	4.0	5/32	942.0120.040
12.7	1/2	3.2	1/8	942.0127.032
12.7	1/2	4.8	3/16	942.0127.048
15.9	5/8	3.2	1/8	942.0159.032
15.9	5/8	4.8	3/16	942.0159.048
19.0	3/4	4.8	3/16	942.0190.048
25.4	1	4.8	3/16	942.0254.048

All sizes of PureWeld XL tubing are available in 50ft (15m) coils. Custom sizes are available to order, as are other specific requirements.

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