

# PureWeld XL weldable TPE tubing

PureWeld XL TPE Tubing

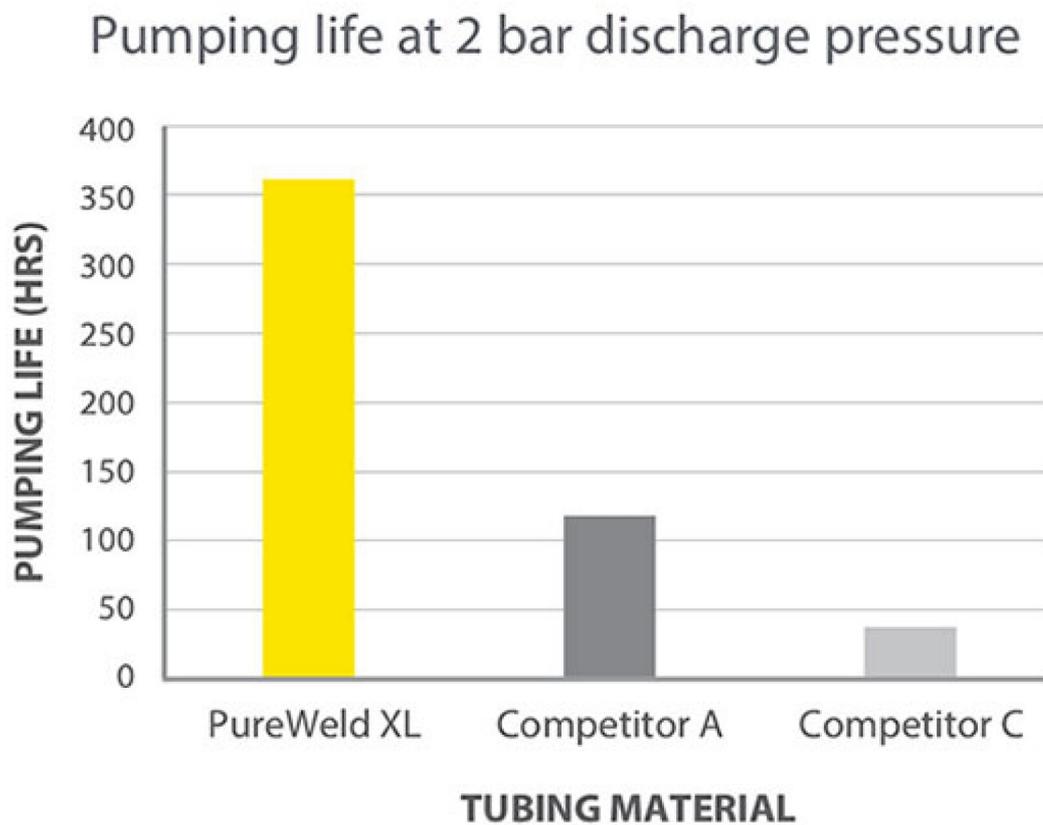
## Features and benefits

- 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 sterilisation by Gamma irradiation
- Animal-derived content free (ADCF)



## PureWeld XL weldable TPE tubing performance

### Pumping life performance



## Technical specifications

	PureWeld XL weldable TPE tubing
Bore size	0.5 - 25.4 mm (0.02 - 1 in)
Wall thickness	1.6 - 4.8 mm (0.0625 - 0.1875 in)
Length	15 - 152 m (50 - 500 ft)
Colour	Colourless
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	-20 °C to 80 °C (-4 °F to 176 °F)
Hardness, shore A (5sec)	65-73
Specific gravity	0.89-0.91 g/cm <sup>3</sup>
UV resistance	Good
Tear B	>30 kN/m (>171 ppi)
Ultimate tensile strength	63-180 bar
Ultimate tensile strength	8 - 18 Mpa (116 - 261 psi)
Elongation at break	>450 %
Tensile stress at 100% elongation	2.4 - 3.5 MPa (348 - 507 psi)
Gas permeability rating	Low
Compression set	<80 %
Water absorption	Low
Gamma stability	25 kGy to 50 kGy
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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