

PureWeld XL TPE tubing Elements

PureWeld XL TPE Tubing

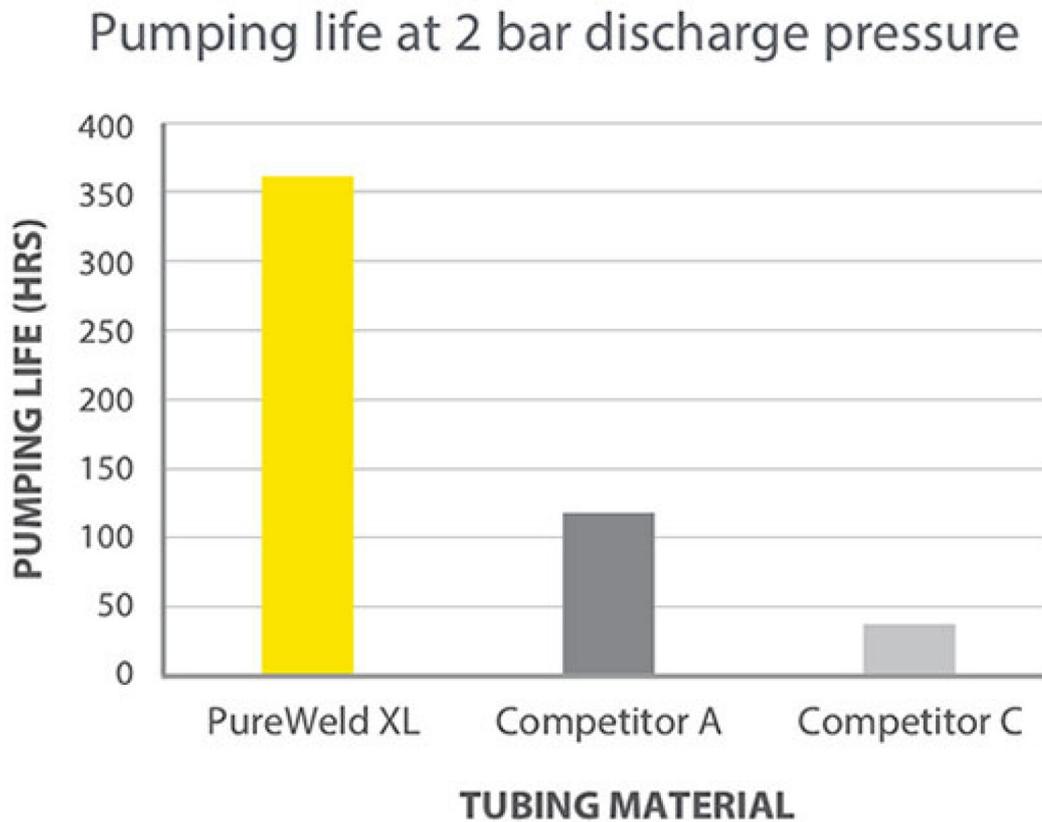
Features and benefits

- 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 TPE tubing Elements performance

Pumping life performance



Technical specifications

	PureWeld XL TPE tubing Elements
Bore size	6.4 - 17 mm (0.25 - 0.6692 in)
Wall thickness	2.4 - 4 mm (0.09375 - 0.15625 in)
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 ³
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 TPE tubing Elements
Tubing	SEBS
Connector material	PVDF

Product codes

PureWeld XL Double Segment Kynar Y-Elements				
Bore		Wall Thickness		Product codes
mm	inch	mm	inch	
6.4	0.2500	2.4	0.0938	942.E064.K24
8.0	0.3125	2.4	0.0938	942.E080.K24
9.6	0.3750	2.4	0.0938	942.E096.K24
12.0	0.4724	4.0	0.1562	942.E120.K40

PureWeld XL LoadSure Elements ordering codes	
Product Name	Product codes
PureWeld XL LoadSure 6.4mm Bore Tri-Clamp Element	942.0064.PFT
PureWeld XL LoadSure 9.6mm Bore Tri-Clamp Element	942.0096.PFT
PureWeld XL LoadSure 12.0mm Bore Tri-Clamp Element	942.0120.PFT
PureWeld XL LoadSure 17.0mm Bore Tri-Clamp Element	942.0170.PFT

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