

PureWeld XL TPE tubing elements

PureWeld XL TPE Tubing

Features and benefits

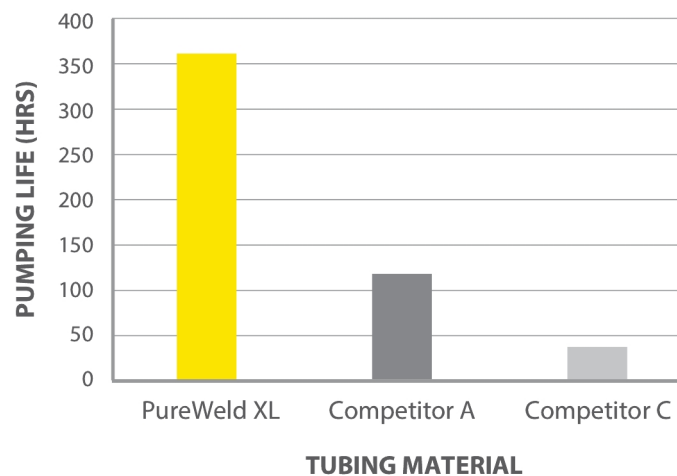
- Reduces inventory and minimises fluid contact materials
- Full compendial data to USP <788> for sub-visible particulates
- EP 2.6.14, USP<85> for bacterial endotoxins
- Suitable for sterilization by Gamma irradiation
- Animal-derived content free (ADCF)



Performance

Pumping life

Pumping life at 2 bar discharge pressure



Technical specifications

	PureWeld XL TPE tubing elements
Bore size	6.4 - 17 mm
Bore size	0.25 - 0.6692 in
Wall thickness	2.4 - 4 mm
Wall thickness	0.09375 - 0.15625 in
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 range	-20 to 80 °C
Operating temperature range	-4 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
Tear B	>171 ppi
Ultimate tensile strength	63-180 bar
Ultimate tensile strength	116 - 261 psi
Ultimate tensile strength	8 - 18 MPa
Elongation at break	>450 %
Tensile stress at 100% elongation	2.4-3.5 Mpa
Tensile stress at 100% elongation	348 - 507 Psi
Gas permeability rating	Low
Compression set	<80 %
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 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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