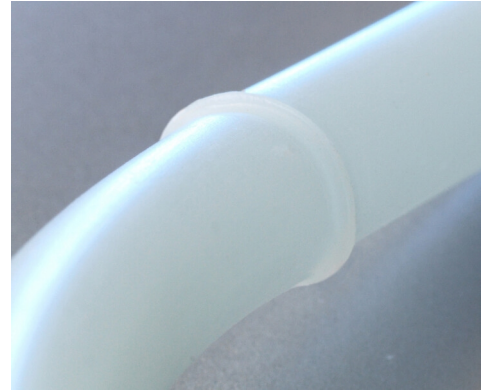


PureWeld XL weldable TPE tubing

PureWeld XL TPE Tubing

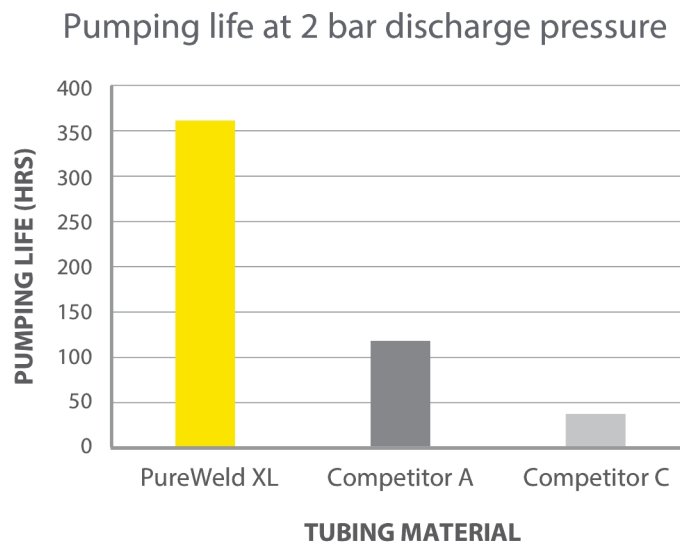
Features and benefits

- 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
Bore size	0.02 - 1 in
Wall thickness	1.6 - 4.8 mm
Wall thickness	0.0625 - 0.1875 in
Length	15 - 152 m
Colour	Colourless
Transparency	Opaque
Spallation	Very low
Certification	EC 1935/2004, FDA 21CFR177.1810, USP <661>, USP <788>, USP <85>, USP Class VI
Operating temperature range	-20 °C to 80 °C
Operating temperature range	-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
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 %
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
2.4	3/32	1.6	1/16	942.0024.016
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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09 February 2024