

PUREWELD® XL

Weldable biopharmaceutical tubing

Ideal for:

Single-use bioprocessing systems

Designed for secure peristaltic pumping, this pure thermoplastic elastomer can be welded, allowing complete fluid paths to be assembled in minutes without connectors.

- Sterile weldable and heat-sealable
- FDA CFR 177.1810 and USP Class VI certification
- Animal-derived content free (ADCF)
- Sterilisable by gamma radiation, autoclave and ethylene oxide
- Validation and extractables profile available



PUREWELD® XL TUBING

The pure weldable pump tube

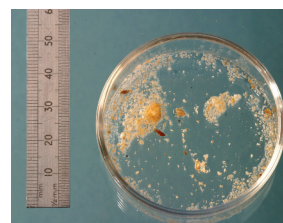
Watson-Marlow PureWeld XL is manufactured by the world's leading peristaltic pump manufacturer. A high quality tubing, PureWeld XL is ideal for use in single-use bioprocessing, has very low internal spallation in peristaltic pumps, as well as long life when compared to other weldable tubes.



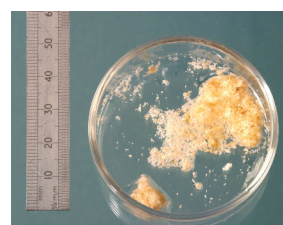
Secure welds, connector free

Secure - no spallation up to 48 hours running

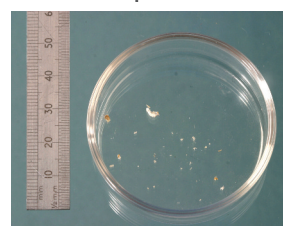
The images opposite show examples of spallation that has occurred after 135 hours pumping water at room temperature and no induced pressure with Competitor A and B, when compared with the results from PureWeld after the same period.



Example A



Example B



PureWeld XL

PureWeld XL	Typical Values
Material	SEBS
Colour/transparency	Opaque
Spallation	Very low
Life/hours	313/314 pumpheads - 500 hrs 520R pumpheads - 1300 hrs 620R pumpheads - 260 hrs 720 pumpheads - 645 hrs
Certification	USP Class VI, FDA regulations 21 CFR 177.1810 for contact with aqueous food. USP85, USP661, USP788
Sterilisation methods	Gamma, autoclave, EtO
Operating temperature	-20C to 80C
Hardness, shore A (5sec)	68
Specific gravity	0.90
Tear B,	37.7KN/m
Ultimate tensile strength psi	10.2MPa
Elongation at break, %	621
Tensile stress at 100% elongation	2.8MPa
Compression set, %	74
UV resistance	Good

ISO Hardness: ISO 868; Specific gravity: ISO2781; Tear B, Ultimate tensile strength, Elongation at break, Tensile stress at 100% elongation; ISO37-2005

PureWeld XL peristaltic pump tubing sizes available				
Bore		Wall		Part number
mm	inch	mm	inch	
0.5	1/50	1.6	1/16	941.0005.016
1.6	1/16	1.6	1/16	941.0016.016
3.2	1/8	1.6	1/16	941.0032.016
4.8	3/16	1.6	1/16	941.0048.016
6.4	1/4	1.6	1/16	941.0064.016
8.0	5/16	1.6	1/16	941.0080.016
6.4	1/4	2.4	3/32	941.0064.024
9.6	3/8	3.2	1/8	941.0096.032
12.7	1/2	3.2	1/8	941.0127.032
9.6	3/8	4.8	3/16	941.0096.048
12.7	1/2	4.8	3/16	941.0127.048
19.0	3/4	4.8	3/16	941.0190.048
25.4	1	4.8	3/16	941.0254.048

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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**WATSON
MARLOW**
Tubing

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