

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 contents free (ADCF)
- Sterilisable by gamma radiation, autoclave and ethylene oxide
- Validation and extractables profile available



PureWeld® XL tubing

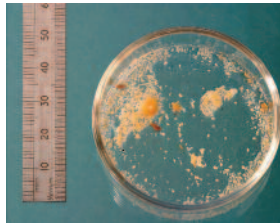
The pure weldable pump tube

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.

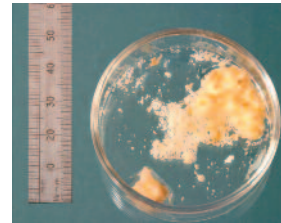
PureWeld XL peristaltic pump tubing sizes available

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

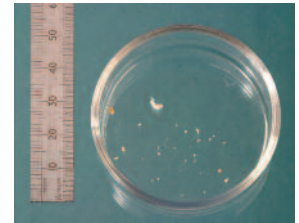
All sizes of PureWeld XL tubing are available in 50ft (15m) coils. Custom sizes are available to order, as are other specific requirements.



Example A



Example B



PureWeld XL

Secure - no spallation up to 48 hours running

The images show examples of spallation that has occurred after 135 hours pumping water at room temperature with Competitor A and B, when compared to the results of PureWeld after the same period.

PureWeld XL	Typical Values
Material	SEBS
Color/transparency	Opaque
Spallation	Good
Life/hours	313/314 - 500 520 - 1300 620 - 260 720 - 645
Certification	USP Class V1, FDA regulations 21 CFR 177.1810 for contact with aqueous food. USP85, USP661, USP788
Sterilization methods	Gamma, autoclave, EtO
Operating temperature	-20C to 80C
Hardness, shore A (5 sec)	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
Weather resistance	Good
Sunlight resistance	Good

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



Secure welds, connector free

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MARLOW**
Tubing

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Watson-Marlow...Innovation in Full Flow