

## PUREWELD® XL

**NEW**

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

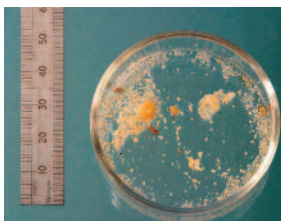
## The pure weldable pump tube

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.

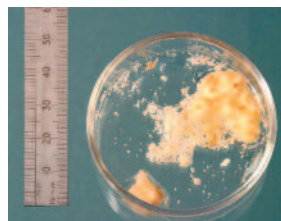
### PureWeld XL peristaltic pump tubing sizes available

Bore		Wall		Part number
mm	inch	mm	inch	
0.5	1/50	1.6	1/15	941.0005.016
1.6	1/16	1.6	1/15	941.0016.016
3.2	1/8	1.6	1/15	941.0032.016
4.8	3/15	1.6	1/15	941.0048.016
6.4	1/4	1.6	1/15	941.0064.016
8.0	5/18	1.6	1/15	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	3/15	941.0096.048
12.7	1/2	4.8	3/15	941.0127.048
19.0	3/4	4.8	3/15	941.0190.048
25.4	1	4.8	3/16	941.0254.048

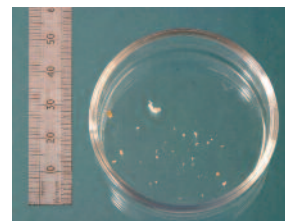
All sizes of PureWeld XL tubing are available in 50ft (15m) coils. Custom sizes are available to order, as are other specific requirements



Example A



Example B



PureWeld

### 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
Colour/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
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
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

Watson-Marlow is a trademark of Watson-Marlow Limited. Disclaimer: The information contained in this document is believed to be correct but Watson-Marlow Limited accepts no liability for any errors it contains, and reserves the right to alter specifications without notice. PureWeld is a trademark of Watson-Marlow Limited. Please state the product code when ordering pumps and tubing.

**WATSON  
MARLOW**  
Tubing

Watson-Marlow Tubing  
Falmouth, Cornwall TR11 4RU England  
Tel: +44 (0)1326 370370 Fax: +44 (0)1326 376009  
www.wmpg.co.uk info@wmpg.co.uk  
*Watson-Marlow...Innovation in Full Flow*