

PureWeld XL TPE tubing Elements

PureWeld XL TPE Tubing

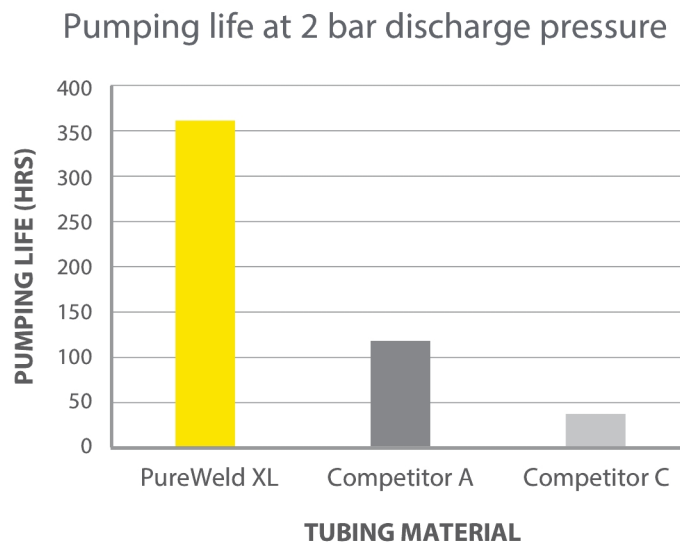
Features and benefits

- 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 sterilisation by Gamma irradiation
- Animal-derived content free (ADCF)



PureWeld XL TPE tubing Elements performance

Pumping life performance



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 | 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 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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