

# PureWeld XL TPE tubing elements

PureWeld XL TPE Tubing

## Features and benefits

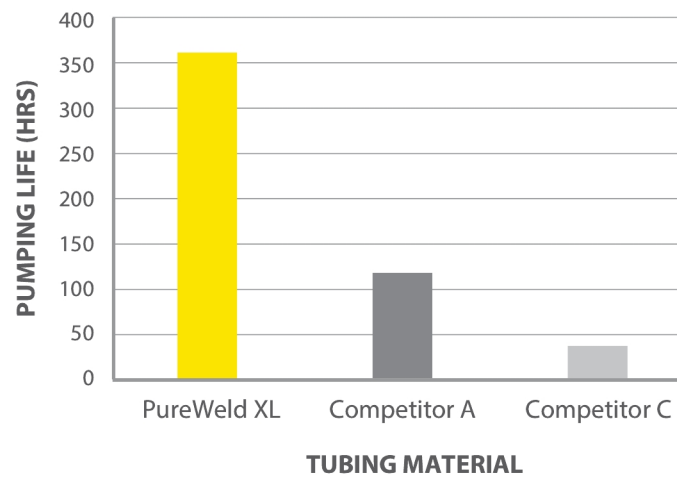
- Reduces inventory and minimises fluid contact materials
- Full compendial data to USP <788> for sub-visible particulates
- EP 2.6.14, USP<85> for bacterial endotoxins
- Suitable for sterilization by Gamma irradiation
- Animal-derived content free (ADCF)



## Performance

### Pumping life

Pumping life at 2 bar discharge pressure



## 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                            | Colorless   |
| Transparency                      | Opaque  |
| Spallation                        | Very low  |
| Certification and compliance      | EC 1935/2004, FDA 21CFR177.1810, USP <661>, USP <788>, USP <85>, USP Class VI |
| Operating temperature range       | -20 to 80 °C  |
| Operating temperature range       | -4 to 176 °F  |
| Hardness, shore A (5sec)          | 65-73   |
| Specific gravity                  | 0.89-0.91 g/cm <sup>3</sup>   |
| 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 %   |
| Gamma stability                   | 25 to 50kGy   |
| 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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