



Versilon™ PEEK

High Pressure, Corrosion Resistant Capillary Tubing

Versilon™ PEEK capillary tubing is designed specifically to meet the demands of high performance liquid chromatography (HPLC) applications. It is more corrosion resistant than stainless steel and has the structural integrity to withstand high pressures at elevated temperatures. Highly chemically resistant, it has extremely low extractables and is unaffected by continuous exposure to steam.



Features and Benefits

- Excellent chemical resistance
- Abrasion resistance
- High strength
- Dimensionally stable
- Flame retardant (UL 94 V-O)
- Continuous service temperature 480°F

Typical Applications

- Liquid chromatography
- Semiconductor
- Laboratory

Versilon™ PEEK

| ID (in) | OD (in) | Wall Thickness (in) | Max. Working Pressure at 73°F (23°C) (psi)* | Max. Working Pressure at 392°F (200°C) (psi)* |
|------------|------------|------------------------|---|---|
| .010 | .062 | .026 | 3337 | 860 |
| .020 | .062 | .021 | 2853 | 735 |
| .030 | .062 | .016 | 2182 | 562 |
| .040 | .062 | .011 | 1449 | 373 |
| .062 | .125 | .032 | 2127 | 548 |
| .080 | .125 | .023 | 1427 | 379 |

* Working pressures are calculated at a 1:4 ratio relative to burst pressure using ASTM D1599.

The values listed for working and burst pressures are derived from tests conducted under controlled laboratory conditions. Many factors will reduce the tubing's ability to withstand pressures, including temperature, chemical attack, stress, pulsation and the attachment to fittings. It is imperative that the user conduct tests simulating the conditions of the application prior to specifying the tubing for use.



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NOTE: The data and details given in this document are correct and up to date. This document is intended to provide information about the product and possible applications. This document is not the product specification and does not provide specific features, nor does it guarantee product performance in specific applications. Saint-Gobain cannot anticipate or control the conditions of the field and for this reason strongly recommends that practical tests are conducted to ensure that the product meets the requirements of a specific application.

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