

Fluoropolymer Tubing – FEP

FEP (fluorinated ethylene propylene) tubing is a **robust engineering fluoropolymer** which provides excellent fluid visibility and is perfect for flow control monitoring.

Product Advantages

Flow Control | Transparent
Flexible and non-flammable material
Resistant to nearly all chemicals and solvents

Tried-&-Tested Properties | Excellent transmission of UV light
Low friction coefficient
Food-grade material
Low permeability
Easily weldable
Silicone-free

Applications

Instrumentation
Food Process
UV
Gas Sampling
Chemical
Temperature Cycling
Laboratory

Technical Characteristics

| | |
|----------------------------|---------------------------------------|
| Compatible Fluids | Industrial fluids |
| Working Pressure | 0 to 28 bar |
| Working Temperature | -40°C to +150°C |
| Component Materials | Fluorinated ethylene propylene (pure) |

Regulations

Food

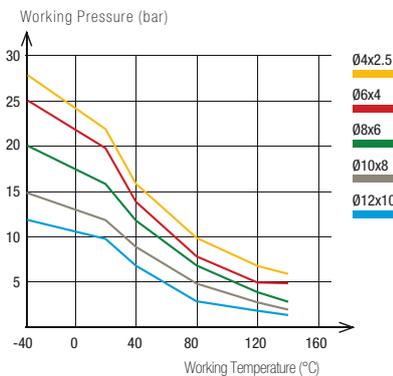
FDA: 21 CFR 177.1550
RG: 1935/2004

Industrial

UL94 V-0 (Fire resistance)
DI: 2002/95/EC (RoHS), 2011/65/EC
DI: 97/23/EC (PED)
RG: 1907/2006 (REACH)

Reliable performance is dependent upon the type of fluid conveyed and fittings being used.

Performance of FEP Tubing



| Tube O.D. | Tube O.D. Tolerance |
|------------|---------------------|
| 4 mm | +0.05 / -0.05 |
| 6 to 10 mm | +0.07 / -0.07 |
| 12 mm | +0.10 / -0.10 |

Packaging

Tube pack: 5 m, 25 m, 100 m

Connected to Parker Legris push-in fittings, the calibration of Parker Legris tubing ensures perfect sealing.

1005T Fluoropolymer (FEP) Tubing

Tubepack® 5 m

| O.D. (mm) | I.D. (mm) |  R |  Clear | kg |
|--------------|--------------|---|---|-------|
| 4 | 2.5 | 40 | 1005T04 00 25 | 0.155 |
| 6 | 4 | 50 | 1005T06 00 | 0.250 |
| 8 | 6 | 70 | 1005T08 00 | 0.385 |
| 10 | 8 | 120 | 1005T10 00 | 0.524 |
| 12 | 10 | 180 | 1005T12 00 | 0.547 |

1025T Fluoropolymer (FEP) Tubing

Tubepack® 25 m

| O.D. (mm) | I.D. (mm) |  R |  Clear | kg |
|--------------|--------------|---|---|-------|
| 4 | 2.5 | 40 | 1025T04 00 25 | 0.506 |
| 6 | 4 | 50 | 1025T06 00 | 1.025 |
| 8 | 6 | 70 | 1025T08 00 | 1.431 |
| 10 | 8 | 120 | 1025T10 00 | 1.693 |
| 12 | 10 | 180 | 1025T12 00 | 1.913 |

Related Products

Parker Legris stainless steel fittings are perfectly suited for use with fluoropolymer tubing (PFA, FEP).

Push-In Fittings

[LF 3800](#) P. 1-77



[LF 3900](#) P. 1-77



Compression Fittings

[Stainless Steel](#) P. 5-31

