Fluoropolymer Tubing - FEP

The fluoropolymer FEP (fluorinated ethylene propylene) tubing offers good mechanical strength. Transparent, it allows fluid control without technical compromise.

Ø metric:
4 to 12 mm

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) (55 Shore D)

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

Regulations

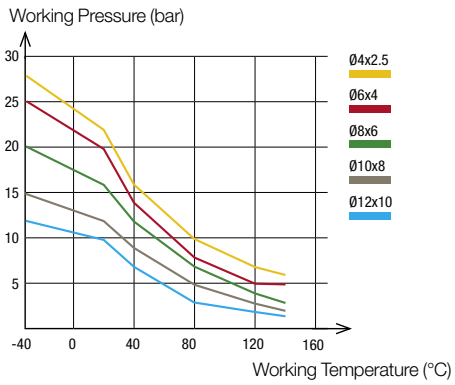
Food:
- **FDA**

Industrial:
- **RoHS**
- **PED**
- **REACH**

Advantages

- Flexible and non-flammable material
- FDA approval resistance to chemical agents and solvents

Performance



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

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

Packaging
Tubepack®: 5 m, 25 m

1005T Fluoropolymer (FEP) Tubing

Tubepack® 5 m

ØD ext.	ØD int.	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

ØD ext.	ØD int.	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 stainless steel fittings are perfectly suited for use with fluoropolymer tubing (PFA, FEP).

Push-In Fittings

LF 3800

Compression Fittings

Stainless Steel

Fluoropolymer Tubing - PFA

The PFA (perfluoroalkoxy) tubing range is available in 3 material grades offering 10 times longer than other fluoropolymer tubing service life under severe chemical and mechanical constraints. Compatible with all applications and extreme environments.

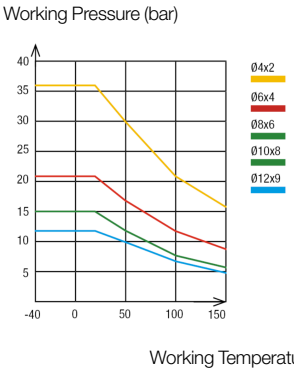
Ø metric:
4 to 12 mm

Technical Characteristics

- **Compatible Fluids:** Medical, bio-compatible, food process, gas, compressed air
- **Working Pressure:** Vacuum to 36 bar
- **Working Temperature:** Mini -40°C
  Maxi +150°C with ferrules for severe conditions of use
- **Component Materials:** Perfluoroalkoxy - 55 Shore D
  - High Purity PFA
  - Translucent coloured PFA
  - Antistatic PFA

Reliable performance is dependent upon the type of fluid conveyed and fittings being used. Use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).

Performance



To calculate burst pressure, the values in this graph should be multiplied by 3.

Advantages

- Exceptional mechanical resistance: an alternative to stainless steel tubes
- Exceptional chemical resistance: anti-adhesive, chemical inertia, low permeability, non-flammable, UV transparent

3 material grades

- PFA high purity clear: mechanical resistance under stress
- Translucent coloured PFA: identification of circuits
- Black antistatic PFA: no electrostatic discharge

Regulations

Medical:
- **USP: Class VI**

Food:
- **FDA**
- **1935/2004**

Industrial:
- **UL94**
- **RoHS**
- **PED**
- **REACH**

Tube O.D.	Tube O.D. Tolerance
4 to 8 mm	+0.10 / -0.10
10 to 12 mm	+0.15 / -0.15

Connected to Parker Legris push-in fittings, the calibration of Parker Legris tubing ensures perfect sealing based on NF E49-100.

Packaging
Tubepack®: 10 m, 50 m, 100 m

1050T..P Fluoropolymer (PFA) Tubing — Tubepack® 50 m

ØD ext.	ØD int.	R	clear	Crystal	Crystal	Crystal	Kg
4	2	12	**1050T04P00**	**1050T04P12**	**1050T04P13**	**1050T04P14**	0.435
6	4	34	**1050T06P00**	**1050T06P12**	**1050T06P13**	**1050T06P14**	1.185
8	6	60	**1050T08P00**	**1050T08P12**	**1050T08P13**	**1050T08P14**	2.050
10	8	95	**1050T10P00**				3.186
12	9	120	**1050T12P00**				5.692

Ø 10 mm and 12 mm: green, red and blue colours are available upon request, with minimum order quantity.

1100T..P Fluoropolymer (PFA) Tubing — Tubepack® 100 m

ØD ext.	ØD int.	R	clear	Kg
6	4	34	**1100T06P00**	3.485
8	6	60	**1100T08P00**	4.805
10	8	95	**1100T10P00**	7.230
12	9	120	**1100T12P00**	11.183

1010T..A Fluoropolymer (PFA) Antistatic Tubing — Tubepack® 10 m

ØD ext.	ØD int.	R		Kg
4	2	12	**1010T04A01**	0.243
6	4	34	**1010T06A01**	0.392
8	6	60	**1010T08A01**	0.549
10	8	95	**1010T10A01**	0.732