

Fluoropolymer Tubing - FEP



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

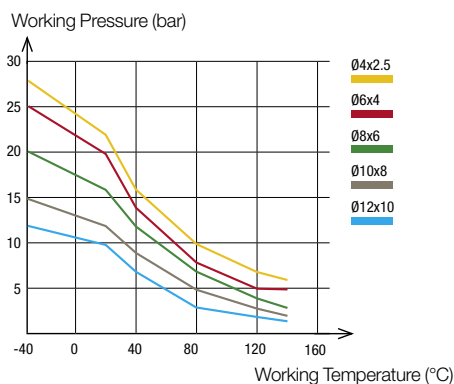
Ø metric:
4 to 12 mm

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.

Performance



Regulations

- | | |
|--------------|----------------|
| Food: | Industrial: |
| • FDA | • RoHS |
| | • PED |
| | • REACH |

Advantages

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

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
Tubepack®: 5 m, 25 m

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

1005T Fluoropolymer (FEP) Tubing

Tubepack® 5 m

ØD ext.	ØD int.	ØD ext.	ØD int.	ØD ext.	ØD int.	ØD ext.	ØD int.	ØD ext.	ØD int.	Kg
4	2.5	40	1005T04 00 25	4	2.5	40	1005T04 00 25	4	2.5	0.155
6	4	50	1005T06 00	6	4	50	1005T06 00	6	4	0.250
8	6	70	1005T08 00	8	6	70	1005T08 00	8	6	0.385
10	8	120	1005T10 00	10	8	120	1005T10 00	10	8	0.524
12	10	180	1005T12 00	12	10	180	1005T12 00	12	10	0.547

1025T Fluoropolymer (FEP) Tubing

Tubepack® 25 m

ØD ext.	ØD int.	ØD ext.	ØD int.	ØD ext.	ØD int.	ØD ext.	ØD int.	ØD ext.	ØD int.	Kg
4	2.5	40	1025T04 00 25	4	2.5	40	1025T04 00 25	4	2.5	0.506
6	4	50	1025T06 00	6	4	50	1025T06 00	6	4	1.025
8	6	70	1025T08 00	8	6	70	1025T08 00	8	6	1.431
10	8	120	1025T10 00	10	8	120	1025T10 00	10	8	1.693
12	10	180	1025T12 00	12	10	180	1025T12 00	12	10	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.

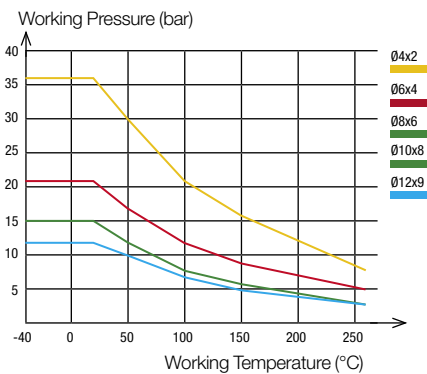
Ø metric:
4 to 12 mm

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:

- ULV94
- 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

Packaging

Tubepack®: 10 m, 50 m, 100 m

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

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	Antistatic	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