

# Fluoropolymer Tubing - PFA

Parker Legris **PFA** (perfluoroalkoxy) tubing offers **10 times greater durability** than other fluoropolymer tubings (PTFE, FEP and PVDF) under severe chemical and mechanical conditions. This tubing range is available in **three material grades**, offering perfect compatibility with all applications, even in extreme environments.

## Product Advantages

### Great Versatility

- Exceptional chemical inertia
- A flexible alternative to stainless steel tubing
- Broad range of working temperatures, from cryogenic to extreme heat
- Non-stick properties allowing conveyance of many fluids & gases
- Outstanding resistance to ageing
- Fluoropolymer with the lowest permeability
- Non-flammable
- UV-transparent
- Tube marking on request
- Silicone-free

### Three Material Grades

- Clear High Purity PFA: to cover all applications, including those requiring maximum mechanical resistance
- Coloured PFA: for circuit identification
- Black Antistatic PFA: eliminates all risk of electrostatic discharge



- Food-Process
- Fuel Cells
- Electrical/Electronics
- Aircraft
- Oil/Gas Industry
- Pharmaceutical
- Medical
- Chemical
- Clean Rooms

Applications

## Technical Characteristics

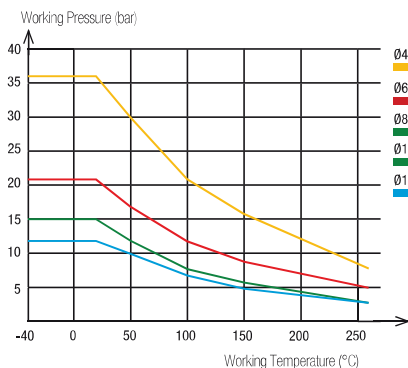
<b>Compatible Fluids</b>	Medical, bio-compatible, food process, gas, compressed air
<b>Working Pressure</b>	Vacuum to 36 bar
<b>Working Temperature</b>	-196°C to +260°C
<b>Component Materials</b>	Perfluoroalkoxy <ul style="list-style-type: none"> <li>• High Purity PFA</li> <li>• Translucent coloured PFA</li> <li>• Antistatic PFA</li> </ul>

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).

### Regulations

- Medical**  
 USP: Class VI (A)  
 External communication devices
- Industrial**  
 UL94 V-0 (Fire resistance)  
 DI: 2002/95/EC (RoHS), 2011/65/EC  
 DI: 97/23/EC (PED)  
 RG: 1907/2006 (REACH)  
 DI: 94/09/EC (ATEX, black tubing)
- Food Industry**  
 FDA: 21 CFR 177.1550  
 (clear, translucent coloured)  
 RG: 1935/2004  
 NSF 51 (material)

### Performance of PFA Tubing



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

### Packaging






Tube pack\*: 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.

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






## 1010T..P Fluoropolymer (PFA) Tubing

Tubepack® 10 m

O.D. (mm)	I.D. (mm)		 Clear	 crystal	 crystal	 crystal	kg
4	2	12	1010T04P00	1010T04P12	1010T04P13	1010T04P14	0.087
6	4	34	1010T06P00	1010T06P12	1010T06P13	1010T06P14	0.237
8	6	60	1010T08P00	1010T08P12	1010T08P13	1010T08P14	0.410
10	8	95	1010T10P00	1010T10P12	1010T10P13	1010T10P14	0.723
12	9	120	1010T12P00	1010T12P12	1010T12P13	1010T12P14	1.148






## 1050T..P Fluoropolymer (PFA) Tubing

Tubepack® 50 m

O.D. (mm)	I.D. (mm)		 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	1050T10P12	1050T10P13	1050T10P14	3.615
12	9	120	1050T12P00	1050T12P12	1050T12P13	1050T12P14	5.740



## 1100T..P Fluoropolymer (PFA) Tubing

Tubepack® 100 m

O.D. (mm)	I.D. (mm)		 Clear	 crystal	 crystal	 crystal	kg
4	2	12	1100T04P00	1100T04P12	1100T04P13	1100T04P14	0.870
6	4	34	1100T06P00	1100T06P12	1100T06P13	1100T06P14	2.370
8	6	60	1100T08P00	1100T08P12	1100T08P13	1100T08P14	4.100
10	8	95	1100T10P00	1100T10P12	1100T10P13	1100T10P14	7.230
12	9	120	1100T12P00	1100T12P12	1100T12P13	1100T12P14	11.480



## 1010T..A Fluoropolymer (PFA) Antistatic Tubing

Tubepack® 10 m

O.D. (mm)	I.D. (mm)			kg
4	2	12	1010T04A01	0.087
6	4	34	1010T06A01	0.237
8	6	60	1010T08A01	0.410
10	8	95	1010T10A01	0.723
12	9	120	1010T12A01	1.148

## 1050T..A Fluoropolymer (PFA) Antistatic Tubing

Tubepack® 50 m

O.D. (mm)	I.D. (mm)			kg
4	2	12	1050T04A01	0.435
6	4	34	1050T06A01	1.185
8	6	60	1050T08A01	2.050
10	8	95	1050T10A01	0.362
12	9	120	1050T12A01	5.740