

Low-Pressure Tubing

Flexon HP Tubing

- Higher pressure rating compared to PTFE tubing



5530

Flexon HP Tubing Specifications	
Material:	Flexon HP
Maximum Temperature:	100°C
Maximum Pressure:	Varies by Size, See Price Block
Typical Use:	Low-Pressure Plumbing

Tefzel® Tubing

o.d.	i.d.	Length	psig	Part No.
1/16"	0.020"	50'	3200	35672
1/16"	0.030"	50'	2500	35673

PTFE Tubing

- Maximum inertness



5531

PTFE Tubing Specifications	
Material:	PTFE
Maximum Temperature:	100°C
Maximum Pressure:	Varies by Size, See Price Block
Typical Use:	Low Pressure Plumbing

PTFE Tubing

o.d.	i.d.	Length	psig	Part No.
1/16"	0.007"	10'	1600	35677
1/16"	0.007"	50'	1600	35678
1/16"	0.010"	10'	1500	20064
1/16"	0.010"	50'	1500	35669
1/16"	0.020"	10'	1200	20033
1/16"	0.020"	50'	1200	35668
1/16"	0.030"	10'	900	20031
1/16"	0.030"	50'	900	35670
1/16"	0.040"	10'	600	20106
1/16"	0.040"	50'	600	3132
1/8"	0.063"	10'	900	20063
1/8"	0.063"	50'	900	35671
1/8"	0.100"	10'	300	20096
1/8"	0.100"	50'	300	3134
0.160"	0.125"	10'	300	35667
0.160"	0.125"	50'	300	35674
1/4"	0.125"	50'	900	3136

Color-Coded PTFE Tubing

- Color-coded for easy identification of i.d.



5532

Color-Coded PTFE Tubing Specifications	
Material:	PTFE
Maximum Temperature:	100°C
Maximum Pressure:	Varies by Size, See Price Block
Typical Use:	Low-Pressure Plumbing

Color-Coded PTFE Tubing

Color	o.d.	i.d.	Length	psig	Part No.
Blue	1/16"	0.010"	10'	1500	35660
	1/16"	0.010"	50'	1500	35661
Orange	1/16"	0.020"	10'	1200	35662
	1/16"	0.020"	50'	1200	35663
Green	1/16"	0.030"	10'	900	35664
	1/16"	0.030"	50'	900	35665

Low Permeation Tubing

- Eliminates regassing without sacrificing inertness
- Flexible, convenient, and versatile
- Easy to install and use



5533

This low-pressure tubing has a double wall to prevent mobile phase regassing. The inert inner PTFE wall carries the mobile phase. The non-wetted outer wall is made from a translucent, flexible polymer with extremely low gas permeability. This low permeation tubing cuts regassing rates to negligible levels, while preserving PTFE's chemical resistance, visibility, and handling properties. Use with low permeation fittings kit.

Low Permeation Tubing Specifications	
Material:	PTFE, Proprietary Non-Wetted Outer Layer
Maximum Temperature:	100°C
Maximum Pressure:	900psig
Typical Use:	Low-Pressure Plumbing

Low Permeation Tubing

o.d.	i.d.	Length	Part No.
1/8"	1.5mm	10'	47100
1/8"	1.5mm	50'	47102

Low Permeation Fittings Kit

Description	Part No.
1/4-28 Low Permeation Fittings Kit*	47120

*Includes 10 nuts, 10 ferrules, 10 inserts.

Glass-Lined Stainless Steel Tubing (GLT)

- Flow lines for corrosives
- GC/MS interfaces
- Capillary column connections



5101

Glass-Lined Stainless Steel Tubing

o.d.	i.d.	Length	Part No.
1/16" (1.59mm)	0.5mm	180cm	3164
1/8" (3.18mm)	1.8mm	180cm	3141
1/4" (6.35mm)	4.0mm	180cm	3149

Metal Tubing

Aluminum Tubing

- Economical choice for GC gas lines



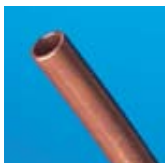
5106

Aluminum Tubing

o.d.	i.d.	Length	Part No.
1/8" (3.18mm)	0.065" (1.65mm)	50ft	3090
3/16" (4.76mm)	0.128" (3.25mm)	50ft	3100
1/4" (6.35mm)	0.190" (4.83mm)	50ft	3110
3/8" (9.53mm)	0.315" (8.00mm)	50ft	3120

Copper Tubing

- Economical choice for GC gas lines



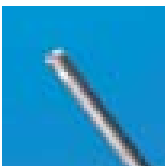
5100

Copper Tubing

o.d.	i.d.	Length	Part No.
1/8" (3.18mm)	0.065" (1.65mm)	50ft	3040
3/16" (4.76mm)	0.128" (3.25mm)	50ft	30509
1/4" (6.35mm)	0.190" (4.83mm)	50ft	30609
3/8" (9.53mm)	0.315" (8.00mm)	50ft	30709

Nickel Tubing

- Pure Nickel 200, more inert than stainless steel
- Acid washed and rinsed for additional inertness



5099

Nickel Tubing

o.d.	i.d.	Part No.
<i>50-Foot Coil</i>		
1/16" (1.59mm)	0.040" (1.02mm)	3085
1/8" (3.18mm)	0.083" (2.11mm)	3080

PTFE-Lined Stainless Steel Tubing

- Ideal for use with reactive chemicals and for trace quantities of water
- Order PTFE ferrules to grip SS and PTFE portions of tubing below



5102

PTFE-Lined Stainless Steel Tubing

o.d.	i.d.	Length	Qty.	Part No.
1/8" (3.18mm)	0.070" (1.78mm)	6ft	1	3152
1/8" (3.18mm)	0.070" (1.78mm)	10ft	1	3154
1/4" (6.35mm)	0.180" (4.57mm)	6ft	1	3156

Polymeric Tubing

- Maximum Inertness



5104a

PFA (Perfluoroalkoxy) Tubing

PFA (Perfluoroalkoxy) Tubing

o.d.	i.d.	Length	Part No.
1/16" (1.59mm)	0.030" (0.76mm)	25ft	45734
1/8" (3.18mm)	0.062" (1.57mm)	25ft	45735
1/4" (6.35mm)	0.156" (3.96mm)	25ft	45736

FEP (Fluorinated Ethylene Polypropylene) Tubing

FEP (Fluorinated Ethylene Polypropylene) Tubing

o.d.	i.d.	Length	Part No.
1/16" (1.59mm)	0.030" (0.76mm)	25ft	45739
1/8" (3.18mm)	0.062" (1.57mm)	25ft	45740
1/4" (6.35mm)	0.156" (3.96mm)	25ft	45741

Polypropylene/Polyethylene Tubing

Polypropylene/polyethylene Tubing

o.d.	i.d.	Type	Length	Part No.
1/8" (3.18mm)	0.080" (2.03mm)	PP	50ft	3203
1/8" (3.18mm)	0.080" (2.03mm)	PP	100ft	3201



related products

Need fittings?

See pages 282–285 for a complete selection of GC fittings.

PEEKsil™ Tubing

- Inert fused silica bonded to PEEK
- Square cut and polished tubing ends for zero dead volume connections
- Ideal for plumbing micro, capillary and nano LC systems



6388

SGE's PEEKsil™ tubing maintains the easy handling and convenience of PEEK tubing, but offers the tight i.d. tolerances that can only be offered with fused silica.

Each PEEKsil™ tubing end is cut to an exact 90° angle and polished smooth to ensure a true zero dead volume connection. Tubing is color-coded to identify i.d. It is the ideal choice for plumbing capillary and micro LC systems where conventional 1/16" or 1/32" fittings are used.



6389

PEEKsil™ Tubing Specifications

Material:	Fused Silica-Lined PEEK
Maximum Temperature:	100°C
Typical Use:	Plumbing Capillary LC Systems
Maximum Pressure:	15,000psig

PEEKsil™ Tubing, 1/16 o.d.

Color	i.d. (mm)	Length			
		10cm 5/pk Part No.	15cm 5/pk Part No.	20cm 5/pk Part No.	50cm 2/pk Part No.
Orange	0.025	226	227	228	229
Natural	0.050	252	254	253	250
Black	0.075	291	292	293	294
Red	0.100	302	304	303	300
Purple	0.150	231	232	233	234
Yellow	0.175	352	354	353	350
Blue	0.200	403	406	404	401
Grey	0.300	416	417	418	419