

E18 Chromatography Tubing

PEEK Tubing

Its strength and inertness make PEEK (Poly Ether Ether Ketone) the obvious substitute for stainless steel when biocompatibility is an issue. SIS offers two types of PEEK tubing: Solid color coded tubing, and natural tan tubing with a color coded stripe. The striped material is recommended for maximum chemical resistance and biocompatibility, as the dye used for the stripe never comes in contact with the fluid stream. PEEK is very chemically resistant, and can withstand halide salts and buffers of high ionic strength which can degrade stainless steel. PEEK does not contribute metal ions or provide protein binding sites the way stainless steel can. Certain organic solvents including Methylene Chloride, DMSO, and THF will cause PEEK to swell and will result in lower burst pressure. Concentrated nitric and sulfuric acids will attack the polymer, although 30% nitric acid may be used for passivating.

5% DISCOUNT ON QUANTITIES OF 10 FEET OR MORE.

PEEK Tubing solid color

Part Number	OD	ID	Burst Pressure	Price/ft.
PK005 Red	1/16"	0.005"	5000 psi	
PK007 Yellow	1/16"	0.007"	5000 psi	
PK010 Blue	1/16"	0.010"	5000 psi	
PK020 Orange	1/16"	0.020"	5000 psi	
PK030 Green	1/16"	0.030"	3000 psi	
PK080 Natural	1/8"	0.080"	3000 psi	

PEEK Tubing Striped

Part Number	OD	ID	Burst Pressure	Price/ft.
PKS005 Red	1/16"	0.005"	5000 psi	
PKS007 Yellow	1/16"	0.007"	5000 psi	
PKS010 Blue	1/16"	0.010"	5000 psi	
PKS020 Orange	1/16"	0.020"	5000 psi	
PKS030 Green	1/16"	0.030"	3000 psi	

PEEK In-Line High Pressure Filter Kit

- 100% Biocompatible
- Minimal hold-up volume
- Biocompatible Ti frits

The VICI Jour in-line filter traps fine and other particulates from samples and mobile phases before they can damage valuable instruments and columns. The PEEK body and Ti encased filter elements give complete biocompatibility and chemical resistance. In addition, the design has virtually no hold-up volume, so these filters can be used in analytical applications with virtually no band broadening or loss of efficiency.



Part Number	Frit Material	Porosity	Internal Volume*
PEEK In-Line High Pressure Filter Kit			
JR68256	Ti (PEEK Encased)	5 µm	12.4 µl
JR68257	Ti (PEEK Encased)	10 µm	12.4 µl
Spare Frits			
1125-SP-5	Ti (PEEK Encased)	5 µm	9.77 µl
1125-10P-5	Ti (PEEK Encased)	10 µm	9.77 µl

*The internal volume is the total flushed volume between the ends of the connecting tubes, including the frit volume.

Cheminert® Fittings

Last Drop filter/sparger

The Last Drop filter/sparger combines filtration and sparging in a single unit. The PTFE housing contains a mobile phase filter with either a stainless steel or a PTFE filter element. The filter/sparger features a PEEK tripod connector for the solvent line, and a nut and ferrule for the sparging line. The filter element is 2.5 µm; the sparger is 10 µm.

Part No.	Filter Element	Price/ft
JR-9000-0602	PTFE	
JR-9000-0640	Stainless Steel	



Biocompatible filters

This all PEEK filter can be placed in any 1/16" line, providing filtration to 0.5 microns. The filter can be changed without tools, since both the filter housing and fittings are hand tightened. Replacement elements are made of PEEK-encapsulated titanium.

Part No.	Tubing O.D.	Bore	Price
ZU1FPK5	1/16"	0.5 mm	
C-F15TI	Replacement element (0.5 micron)		

