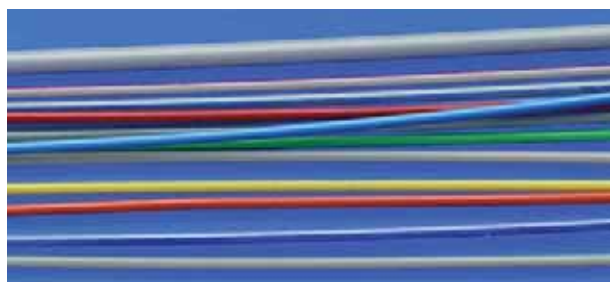


Tubings

PEEK Tubings

- PEEK is inert to almost all organic solvents; methylene chloride, THF, concentrated nitric or concentrated sulfuric acids will affect PEEK. For continuous use of the PEEK tubing, we recommend temperatures below 100°C. Above 100°C, the tubing will hold to lower pressure.
- PEEK tubing can be used with either SS nuts and ferrules, flangeless fittings, or any universal fingertight fittings. This tubing is extremely flexible and can be cut to your desired length using tubing cutter or a straight edge razor.



PEEK Burst Pressure

PEEK tubing will burst at a lower pressure when:

- Increase the inside diameter
- Increase the temperature
- Increase the time of exposure
- Increase the conc. of organic solvent

The table below shows the pressure at which various 1/16" OD tubes burst during a three-week test while exposed to different solvents at room temperature. At 500 psi below these pressures the tubing did not burst during the test.

Warning! The tubing failed at the pressures listed in the table. Operate routinely at much lower pressure.

Tubing ID	0.007"	0.010"	0.020"	0.030"
H ₂ O	>7,000	>7,000	>6,000	>6,000
ACN:H ₂ O	>5,500	5,500	4,500	3,500
ACN	4,000	3,500	3,000	3,000
IPA	>5,000	5,000	4,000	4,000
THF	2,500	2,500	1,500	1,500

Ordering Information

Description	QTY	Part No.
PEEK Tubing, 1/16" OD x 5'		
0.0025" (65µm) ID, Natural, 7,000psi	1	05AD-1011
0.004" (100µm) ID, Black, 7,000psi	1	05AD-1021
0.005" (125µm) ID, Red, 7,000psi	1	05AD-1031
0.006" (150µm) ID, Purple, 7,000psi	1	05AD-1041
0.007" (175µm) ID, Yellow, 7,000psi	1	05AD-1051
0.010" (.25mm) ID, Natural, 7,000psi	1	05AD-1061
0.010" (.25mm) ID, Blue, 7,000psi	1	05AD-1071
0.015" (.40mm) ID, Gray, 7,000psi	1	05AD-1081
0.020" (.50mm) ID, Orange, 7,000psi	1	05AD-1091
0.030" (.75mm) ID, Green, 7,000psi	1	05AD-1101
0.040" (1.0mm) ID, Natural, 5,000psi	1	05AD-1111
0.055" (1.40mm) ID, Natural, 500psi	1	05AD-1121
PEEK Tubing, 1/8" OD x 5'		
0.062" (1.60mm) ID, Natural, 4,000psi	1	05AD-1131
0.080" (2.00mm) ID, Natural, 3,000psi	1	05AD-1141
PEEK Tubing, 1.8mm OD x 5' (for Pharmacia)		
0.010" (.25mm) ID, Natural, 7,000psi	1	05AD-1151
0.020" (.50mm) ID, Natural, 7,000psi	1	05AD-1161
0.030" (.75mm) ID, Natural, 7,000psi	1	05AD-1171
0.042" (1.05mm) ID, Natural, 5,000psi	1	05AD-1181
0.055" (1.40mm) ID, Natural, 500psi	1	05AD-1191
Capillary PEEK Tubing, 360µm (.0145") OD x 5'		
0.002" (50µm) ID, Natural, 2,000psi	1	05AD-1201
0.003" (75µm) ID, Black, 2,000psi	1	05AD-1211
0.004" (100µm) ID, Red, 2,000psi	1	05AD-1221
0.006" (150µm) ID, Yellow, 2,000psi	1	05AD-1231
Capillary PEEK Tubing, 510µm (.020") OD x 5'		
0.0025" (65µm) ID, Natural, 2,000psi	1	05AD-1241
0.005" (125µm) ID, Natural, 2,000psi	1	05AD-1251
0.010" (255µm) ID, Natural, 2,000psi	1	05AD-1261
PEEK Tubing, 1/32" OD x 5'		
0.0025" (65µm) ID, Natural, 5,000psi	1	05AD-1271
0.0035" (90µm) ID, Black, 5,000psi	1	05AD-1281
0.005" (125µm) ID, Red, 5,000psi	1	05AD-1291
0.007" (175µm) ID, Yellow, 5,000psi	1	05AD-1301
0.008" (200µm) ID, Natural, 5,000psi	1	05AD-1311
0.009" (230µm) ID, Gray, 5,000psi	1	05AD-1321
0.010" (.25mm) ID, Blue, 5,000psi	1	05AD-1331
0.015" (.40mm) ID, Natural, 5,000psi	1	05AD-1341
0.020" (.50mm) ID, Orange, 3,000psi	1	05AD-1351

• Related products

See page 107

for PEEK Tubing Cutter.

