



## MAXIMUM RECOMMENDED WORKING PRESSURES – PEEK TUBING

PEEK TUBING															
OD	ID (µm)	bar	psi	OD	ID (mm)	bar	psi	OD	ID (mm)	bar	psi	OD	ID (mm)	bar	psi
360 µm	50	358	5200	1/32"	0.050	455	6600	1/16"	0.050	480	7000	1/8"	0.75	379	5500
	75	345	5000		0.064	455	6600		0.064	480	7000		1.59	248	3600
	100	300	4400		0.075	455	6600		0.075	470	6800		2.00	179	2600
	125	275	4000		0.100	455	6600		0.100	460	6700	1/4"	3.17	227	3300
	150	240	3500		0.13	414	6000		0.13	460	6700				
			0.15		400	5800	0.18		440	6400					
			0.18		386	5600	0.25		420	6100					
			0.20		369	5350	0.50		345	5000					
			0.25		338	4900	0.75		262	3800					
			0.38		269	3900	1.00		179	2600					
			0.50	207	3000	1.40	55	800							

## MAXIMUM RECOMMENDED WORKING PRESSURES – POLYMERIC TUBING

FEP TUBING											
OD	ID (mm)	bar	psi	OD	ID (mm)	bar	psi	OD	ID (mm)	bar	psi
1/32"	0.13	78	1100	1/8"	1.59	69	1000	1.0 mm	0.50	62	900
	0.15	78	1100		2.10	41	600	2.0 mm	1.00	62	900
	0.18	72	1050		2.40	30	345	3.0 mm	1.00	82	1200
	0.25	68	980	3/16"	3.18	41	600	2.00	41	600	
	0.38	51	750	1/4"	3.96	45	660	4.0 mm	3.00	28	420
	0.50	35	500		4.35	45	650				
1/16"	0.25	117	1700	3/16"	29	420					
	0.50	96	1400	5/16"	1/4"	22	330				
	0.75	76	1100								
	1.00	52	750								

ETFE TUBING			
OD	ID (mm)	bar	psi
1/32"	0.25	152	2200
1/16"	0.25	186	2700
	0.50	152	2200
	0.75	117	1700
	1.00	83	1200
1/8"	1.59	110	1600
	2.40	49	710
1/4"	4.80	48	710
3.0 mm	1.00	138	2000
6.0 mm	4.00	69	1000

PFA TUBING			
OD	ID (µm)	bar	psi
1/16"	0.50	100	1450
	0.75	76	1100
	1.00	55	800
1/8"	1.59	72	1050
	1.70	65	940
3/16"	3.20	41	600
1/4"	4.00	49	720
	4.35	45	650
	4.80	31	450

PTFE TUBING			
OD	ID (mm)	bar	psi
1/16"	0.18	62	900
	0.25	55	800
	0.50	48	700
	0.75	37	550
	1.00	25	350
1/8"	1.59	35	500
	2.40	18	250
1/4"	4.75	17	250
2.0 mm	1.70	10	150
4.0 mm	3.00	17	250
4.76 mm	3.76	14	200

### WORKING PRESSURE FOR POLYMERIC TUBING

The quoted maximum working pressure(s) were calculated from the burst pressure and the factor 2.5. These results assume the tubing is at room temperature.