



CHEMICAL SUPPORT SYSTEMS

DESIGN / ENGINEER / MANUFACTURE / INSTALL

Unit 21 Road Three, Industrial Estate,
Winsford, Cheshire, CW7 3PD
Tel: 01606 861809 Fax: 01606 559337

PTFE TUBING



Applications:

PTFE tube has the best chemical resistance (alongside PFA) of all known polymers. It's temperature range of -70 degree C to +265 degree C opens up PTFE tubing to many applications most other polymers can't withstand.

The electrical insulation properties of PTFE tubing are superb making it an ideal choice for electrical sleeving. Chemical dosing and metering pumps require long continuous lengths of PTFE tube, very difficult to produce, but available through CSS.

Code	ID (mm)	ID Tol +/- mm	Wall (mm)	Wall Tol. +/- mm	OD (mm)	Bend Radius (mm) 20 C	BP Bar 20 C	Design Working Pressure bar** 20 degree C	KG/100M
PTFE - 6	4	0.15	1.00	0.15	6.00	25	61	15.25	3.40
PTFE 8/6	6	0.20	1.00	0.15	8.00	49	41	10.25	4.70
PTFE 8/5	5	0.20	1.50	0.20	8.00	28	73	18.25	6.60
PTFE 9/6	6	0.20	1.50	0.20	9.00	37.5	61	15.25	7.60
PTFE 10-8	8	0.20	1.00	0.15	10.00	81	31	7.75	6.10
PTFE 12-9	9	0.30	1.50	0.20	12.00	74	41	10.25	10.70
PTFE 12-10	10	0.30	1.50	0.15	12.00	121	24	6	7.40

Code	ID (inch)	ID Tol +/- Inch	OD (Inch)	OD Tol. +/- Inch	ID (mm)	Wall (mm)	OD (mm)	Bend Radius (mm) 20 C	BP (Bar) 20 C	Design Working Pressure Bar 20 C **	KG/100M
PTFE 1/4	5/32	0.004	¼"	0.004	3.97	1.19	6.35	39	41	10.25	2.96
PTFE 3/8	1/4	0.006	3/8	0.008	6.35	1.59	9.52	40	61	15.25	8.53
PTFE 1/2	3/8	0.008	½	0.015	9.52	1.59	12.70	78	41	10.25	11.93

** Pressure Ratings are a guide only as other factors can affect them

