

Technical Data Sheet

PTFE (Polytetrafluorethylene)

Tubes made of PTFE have excellent chemical resistance to all media except elemental fluorine and hot alkali metals. They have excellent adhesion properties due to their low friction and impress with their wide range of temperatures. PTFE-tube has a very broad operational area ranging from chemistry to pharmacy.

Physical Properties	Unit	Value
Temperature	°C	-200 to +260
Shore Hardness	Shore D	60
Density	g/cm ³	2,15

Pressure Resistance in Bar			
ID/OD	20°C	ID/OD	20°C
DN 01/03	30	DN 10/12	5
DN 02/03	13	DN 10/14	10
DN 02/04	21	DN 12/14	5
DN 03/05	15	DN 12/16	9
DN 04/06	12	DN 14/16	4
DN 05/08	14	DN 16/18	4
DN 06/08	9	DN 16/20	7
DN 06/09	12	DN 18/20	4
DN 06/10	15	DN 1/16"/1/8"	26
DN 08/10	7	DN 1/6"/1/4"	12
DN 08/12	12	DN 1/4"/3/8"	12
DN 09/12	9	DN 3/8"/1/2"	8

Additional Information	
Outside Suitability	UV-Resistance Weatherproof
CIP Suitability	Suitable
Method of Sterilization	Ethylene Oxide Hot Steam Hot Air
Characteristics	Without Phthalates ADI free UL94 V-0
Possible Certificates On Request	FDA USP Class VI EC 1935/2004 EU Reg. 10/2011

Bending Radius
Bending Radius= OD ² /2

Compressive Stress -Temperature	
Temperature °C	Reduction Factor
50	0,87
75	0,77
100	0,68
150	0,53
200	0,39
250	0,28