

PTFE Smoothbore Heavy Wall Braided products specifications

Materials of Construction:

PTFE - Virgin Seamless extruded PTFE tube according to ISO 12086 part 1. PTFE - EPDM 1.6.CE 4_12
Stainless steel - AISI grade 304 steel wire bright and hard drawn to a minimum tensile strength of 1900 N/mm² (316SS available to special order, recommended for off shore use).

Typical applications:

Used for Heavy duty applications and gasses up to 100 bar (1455 PSI), steam, chemicals, inks, paints, adhesives, brake fluids, oils, fuels, refrigerants, foodstuffs and detergents.

Temperature: -70 °C to +260 °C

Typical applications:

Used for high and low pressure steam, chemicals, inks, paints, adhesives, brake fluids, oils, fuels, refrigerants, foodstuffs and detergents.

Limitations:

Maximum pressures listed are based on a 4:1 safety factor and up to a maximum working temperature of 130 °C. For higher temperatures reduce MWP by 1% for every degree above 130 °C.

In applications where the working pressure is above 100 bar (1455 PSI) and is transferring or being tested with penetrating fluids or gasses, it is recommended to use high pressure gas liner. Consult with supplier. Not suitable for the transfer of Electrically resistive fluids at high flow rates. For such applications an antistatic liner is recommended.



Smoothbore Braided PTFE Tubing Heavy Wall - Spec sheet

Single Braid											
Bore Size (Nominal)	Bore Size (Actual)		PTFE Tube Wall Thickness		Braid Outside Diameter		Minimum Bend Radius		Maximum Working Pressure		Weight per Unit Length
inch	mm	inch	mm	inch	mm	inch	mm	inch	Bar	Psi	Kg/mt Lbs/Ft
1/8"	3.17	0.125	1	0.039	6.10	0.240	20	0.875	290	4220	0.68 0.046
3/16"	4.76	0.188	1	0.039	7.65	0.301	28	1.125	270	3929	0.87 0.058
1/4"	6.35	0.250	1	0.039	9.25	0.365	30	1.180	260	3783	0.113 0.076
5/6"	7.95	0.313	1	0.039	10.9	0.430	40	1.575	230	3347	0.135 0.091
3/8"	9.53	0.375	1	0.039	12.5	0.492	55	2.165	200	2910	0.153 0.103
1/2"	12.7	0.500	1	0.039	15.6	0.614	85	3.350	160	2328	0.240 0.161
5/8"	15.88	0.625	1.3	0.051	19.1	0.725	110	4.330	130	1832	0.292 0.196
3/4"	19.05	0.750	1.3	0.051	22.0	0.865	145	5.700	92	1339	0.344 0.213
1"	25.40	1.000	1.5	0.059	22.8	1.134	260	10.23	69	1004	0.470 0.315

Double Braid											
Bore Size (Nominal)	Bore Size (Actual)		PTFE Tube Wall Thickness		Braid Outside Diameter		Minimum Bend Radius		Maximum Working Pressure		Weight per Unit Length
inch	mm	inch	mm	inch	mm	inch	mm	inch	Bar	Psi	Kg/mt Lbs/Ft
1/8"	3.17	0.125	1	0.039	7.00	0.275	18	0.750	350	5093	0.108 0.072
3/16"	4.76	0.188	1	0.039	8.90	0.350	25	1.000	320	4656	0.140 0.094
1/4"	6.35	0.250	1	0.039	10.75	0.423	26	1.125	310	4511	0.183 0.123
5/16"	7.95	0.313	1	0.039	12.35	0.486	35	1.500	275	4001	0.210 0.141
3/8"	9.53	0.375	1	0.039	14.10	0.555	50	2.000	240	3492	0.243 0.163
1/2"	12.7	0.500	1	0.039	16.90	0.665	75	3.000	200	2900	0.374 0.251
5/8"	15.88	0.625	1.3	0.051	20.75	0.817	100	4.000	155	2255	0.452 0.303
3/4"	19.05	0.750	1.3	0.051	23.80	0.937	135	5.375	110	1601	0.532 0.356
1"	25.40	1.000	1.5	0.059	30.70	1.210	250	9.875	84	1222	0.730 0.489