

PTFE Smoothbore Standard 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 high and low pressure steam, chemicals, inks, paints, adhesives, brake fluids, oils, fuels, refrigerants, foodstuffs and detergents.

Temperature: -70 °C to +260 °C

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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 (1455PSI) 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 - 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
3/16"	4.76	0.188	0.63	0.025	7.40	0.291	40	1.625	265	3856	0.08 0.054
1/4"	6.35	0.250	0.63	0.025	8.50	0.335	60	2.375	240	3492	0.93 0.062
5/16"	7.95	0.313	0.63	0.025	10.15	0.400	70	1.875	200	2910	0.110 0.074
3/8"	9.53	0.375	0.63	0.025	11.75	0.465	80	3.375	190	2765	0.124 0.083
1/2"	12.7	0.500	0.76	0.030	14.95	0.590	110	4.375	140	2030	0.207 0.139
5/8"	15.88	0.625	0.76	0.030	18.35	0.720	150	6.000	110	1600	0.255 0.171
3/4"	19.05	0.750	0.76	0.030	21.65	0.850	200	7.875	80	1165	0.315 0.211
1"	25.40	1.000	1.00	0.039	28.15	1.110	300	12.000	55	800	0.430 0.288

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
3/16"	4.76	0.188	0.63	0.025	8.70	0.343	30	1.250	330	4800	0.135 0.091
1/4"	6.35	0.250	0.63	0.025	10.00	0.395	40	1.625	290	4220	0.160 0.107
5/16"	7.95	0.313	0.63	0.025	11.55	0.455	50	2.000	250	3638	0.190 0.127
3/8"	9.53	0.375	0.63	0.025	13.35	0.525	60	2.375	230	3350	0.214 0.143
1/2"	12.7	0.500	0.76	0.030	16.40	0.645	90	3.625	180	2630	0.341 0.229
5/8"	15.88	0.625	0.76	0.030	19.95	0.785	130	5.125	135	1965	0.416 0.279
3/4"	19.05	0.750	0.76	0.030	23.10	0.910	170	6.750	100	1455	0.500 0.335
1"	25.40	1.000	1.00	0.039	29.60	1.165	270	10.750	70	1020	0.700 0.469