

General Purpose Smooth Bore PTFE

General Purpose Smooth Bore PTFE hose can be used to solve your demanding transfer challenges for liquids such as acids, solvents, fuels, adhesives, hydraulic fluid, hot oils and chemicals of all types. We can produce assemblies to your specific length and diameter needs to connect to your system. If you do not find the exact hose and fitting combination required for your service please contact our Customer Service. You can be assured our Engineering experts will be easy to talk to and focused on solving your problem.



- Applications:** Industrial Equipment, Chemical, Transportation & Food Processing where temperature, pressure, flexing and purity are essential to the service.
- Innercore:** Standard Wall PTFE ; Anti-static also available for conditions that can create static charges. Standard PTFE as well as anti-static tubes are fully FDA compliant. PTFE compliant with ISO 12086 Part 1.
- Reinforcement:** One layer of type 304 stainless steel high tensile wire EN 1.4301
- Temperature Range:** -60°C to +260°C (-76°F to +500°F)
- Chemical Resistance:** Refer to page 30.

Burst pressures are based on 70°F (21°C), for higher temperatures please refer to chart on page 29.

IMPERIAL										
Dash Size	Inch Reference # Natural	Actual ID (in)	Tol (+/-) ID (in)	Actual OD (in)	Tol (+/-) OD (in)	Innercore Wall Thickness (in)	Max Working Pressure PSI	Min Burst Pressure PSI	Min Bend Radius (in)	Weight (lb/ft)
-3	SBIO.12N	0.125	0.008	0.24	0.018	0.039	3000	12000	2.0	0.05
-4	SBIO.19N	0.190	0.008	0.32	0.018	0.028	3000	12000	2.0	0.06
-5	SBIO.25N	0.250	0.010	0.37	0.020	0.028	3000	12000	3.1	0.07
-6	SBIO.32N	0.320	0.012	0.45	0.020	0.031	2500	10000	4.5	0.09
-7	SBIO.37N	0.370	0.012	0.52	0.020	0.031	2250	9000	4.7	0.11
-8	SBIO.41N	0.410	0.012	0.52	0.020	0.031	2000	8000	4.7	0.11
-10	SBIO.5N	0.500	0.014	0.65	0.024	0.031	1750	7000	5.9	0.19
-12	SBIO.62N	0.620	0.016	0.80	0.028	0.039	1500	6000	6.3	0.20
-14	SBIO.77N	0.770	0.016	0.91	0.028	0.039	1100	4400	6.5	0.24
-16	SBIO.87N	0.870	0.020	1.02	0.031	0.039	1000	4000	8.9	0.28
-18	SB11N	1.000	0.020	1.18	0.031	0.047	900	3600	9.8	0.34

METRIC										
Metric Reference # Natural	Actual ID (mm)	Tol (+/-) ID (mm)	Actual OD (mm)	Tol (+/-) OD (mm)	Innercore Wall Thickness (mm)	Max Working Pressure Bar	Min Burst Pressure Bar	Min Bend Radius (mm)	Weight (kg/m)	
SBM3.2N	3.2	0.20	6.2	0.45	1.00	240	960	40	0.08	
SBM5N	5.0	0.20	8.0	0.45	0.70	225	900	50	0.09	
SBM6.5N	6.5	0.25	9.5	0.50	0.70	205	820	80	0.10	
SBM8.2N	8.2	0.30	11.4	0.50	0.80	173	690	115	0.13	
SBM10N	10.0	0.30	13.2	0.50	0.80	138	550	120	0.16	
SBM13.4N	13.4	0.35	16.6	0.60	0.80	120	480	150	0.28	
SBM16.4N	16.4	0.40	20.2	0.70	1.00	103	410	160	0.30	
SBM19.6N	19.6	0.40	23.2	0.70	1.00	75	300	165	0.35	
SBM22.2N	22.2	0.50	26.0	0.80	1.00	63	250	225	0.42	
SBM26N	26.0	0.50	30.0	0.80	1.20	63	250	250	0.50	

Note: For anti-static type hose please consult factory for specifications.