

HOSE CONSTRUCTION:

Extruded inner core made of natural PTFE certified in accordance with RoHS Directive and U.S. Federal Food and Drug Administration's (FDA) Regulation 21 CFR 177.1550. Premium choice materials and advanced technology guarantee high flexibility and minimum porosity. Outside reinforcement: AISI 304L wire braid with high tensile strength.



INTERNAL DIAMETER			PTFE WALL THICKNESS		OUTER DIAMETER		WEIGHT PER UNIT LENGTH		MINIMUM BEND RADIUS		MAXIMUM WP		BP		VACUUM
Nominal	mm	inch	mm	inch	mm	inch	gr/mt	Lbs/ft	mm	inch	bar	psi	bar	psi	In/HG
3/16	4.80	0.189	0.9	0.035	8.80	0.346	135	0.091	45	1.772	275	3989	1100	15954	28
1/4	6.35	0.250	0.9	0.035	10.40	0.409	170	0.114	50	1.969	250	3626	1000	14504	28
5/16	7.90	0.311	0.9	0.035	12.00	0.472	240	0.161	55	2.165	225	3263	900	13053	28
3/8	9.50	0.374	0.9	0.035	13.70	0.539	260	0.175	70	2.756	210	3046	840	12183	28
13/32	10.30	0.406	0.9	0.035	14.60	0.575	270	0.181	80	3.150	200	2901	800	11603	28
1/2	12.70	0.500	0.9	0.035	17.00	0.669	350	0.235	110	4.331	175	2538	700	10153	28
5/8	15.90	0.626	1.0	0.039	20.50	0.807	500	0.336	150	5.906	160	2321	640	9282	28
3/4	19.00	0.748	1.0	0.039	23.50	0.925	620	0.417	190	7.480	140	2031	560	8122	28
7/8	22.20	0.874	1.1	0.043	27.00	1.063	675	0.454	250	9.843	125	1813	500	7252	12
1	25.40	1.000	1.1	0.043	30.80	1.213	770	0.518	270	10.630	95	1378	380	5511	12

Maximum Working Pressures calculated using a Safety Factor of 4 | To guarantee quality and reliability of our products, all PTFE inner cores are tested under pressure.

OPTIONS:

Customized inner core construction (sizes, thickness). Inner core made of black antistatic PTFE when electrically resistive fluids are transferred at high flow rates. Hoses with inner cores made of other fluoroplastics (e.g. FEP, PFA). Outside reinforcements: AISI 316 - textile braids (e.g. aramid, polypropylene or polyester). Additional reinforcements for superior performances. Special jacket made of thermoplastics (e.g. Polyurethane, PA11, PA12, Hytel, PVC), silicone or wrapped rubbers.

APPLICATIONS:

Chemical, petrochemical, paints, inks, glues and adhesives, foodstuffs, brake oils, fuels, hydraulic oils, steam, gases, detergents, refrigerants and any application focused on the transfer of fluids and gases under critical usage conditions and in severe environments.

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