

## 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
1/4	6.35	0.250	1.1	0.043	9.90	0.390	130	0.087	90	3.543	205	2973	820	11893	28
5/16	7.90	0.311	1.2	0.047	11.90	0.469	170	0.114	110	0.074	180	2611	720	10443	28
3/8	9.50	0.374	1.2	0.047	13.50	0.531	210	0.141	130	5.118	155	2248	620	8992	28
1/2	12.70	0.500	1.2	0.047	16.70	0.657	295	0.198	160	6.299	130	1885	520	7542	28
5/8	15.90	0.626	1.3	0.051	20.10	0.791	365	0.245	190	7.480	125	1813	500	7252	28
3/4	19.00	0.748	1.3	0.051	23.30	0.917	425	0.286	230	9.055	95	1378	380	5511	28
1	25.40	1.000	1.4	0.051	30.10	1.185	650	0.437	310	12.205	75	1088	300	4351	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, Hytrel, 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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