

## 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
1/8	3.20	0.126	0.7	0.028	5.80	0.228	55	0.037	25	0.984	270	3916	1080	15664	28
3/16	4.80	0.189	0.7	0.028	7.40	0.291	70	0.047	35	1.378	200	2901	800	11603	28
1/4	6.35	0.250	0.7	0.028	9.00	0.354	90	0.060	45	1.772	175	2538	700	10153	28
5/16	7.90	0.311	0.7	0.028	10.80	0.425	125	0.084	50	1.969	150	2176	600	8702	28
3/8	9.50	0.374	0.7	0.028	12.40	0.488	145	0.097	60	2.362	135	1958	540	7832	28
13/32	10.30	0.406	0.7	0.028	13.30	0.524	160	0.108	70	2.756	130	1885	520	7542	28
1/2	12.70	0.500	0.7	0.028	15.70	0.618	215	0.144	90	3.543	120	1740	480	6962	28
5/8	15.90	0.626	0.8	0.031	19.10	0.752	265	0.178	120	4.724	100	1450	400	5802	28
3/4	19.00	0.748	0.8	0.031	22.20	0.874	320	0.215	190	7.480	90	1305	360	5221	28
7/8	22.20	0.874	1.0	0.039	25.40	1.000	390	0.262	250	9.843	70	1015	280	4061	12
1	25.40	1.000	1.0	0.039	29.30	1.154	460	0.309	270	10.630	65	943	260	3771	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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