



HOSE CONSTRUCTION

Extruded inner core made of natural or black antistatic PTFE.
Outside reinforcement: AISI 304L

OPTIONS

Inner core with customized sizes or made of FEP or PFA.

Outside reinforcement: AISI 316 wire braid with high tensile strength or textile braids (e.g. aramid, polyester...), Thermoplastics (e.g. Polyurethane, Hytrel...), Silicone and rubber

INTERNAL DIAMETER			PTFE WALL THICKNESS		OUTER DIAMETER		WEIGHT PER UNIT LENGTH		MINIMUM BEND RADIUS		MAXIMUM WP		MINIMUM 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



All our hoses are developed first for static application. **Maximum WP (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.

TEMPERATURE SERVICE

- 60°C + 260°C (PTFE)

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.

WORKING TEMPERATURE	PRESSURE DE-RATING %
Up to 130 °C	100 %
150°C	85%
180°C	65%
200°C	50%
220°C	30%
260°C	10%



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