



PTFE-HOSE *Smooth Core PTFE Tubing with Stainless Steel Overbraiding*

Product Description

Grayline PTFE-HOSE is constructed of extruded virgin PTFE material with series 300 stainless steel wire braid reinforcement. The core is inert and offers long flexural life, low permeability, non-flammability, and the lowest coefficient of friction of any solid material. This non-stick surface is easily cleaned by autoclaving, steam, or detergent. The overbraid permits higher pressure and reduces the possibility of kinking. The white core is made using non-toxic ingredients that conform to FDA standards and does not impart taste or odor, or contaminate the fluid stream. The black core is electrically conductive to release or eliminate static charge. It is well suited for applications involving high resistivity fluids or gases at high velocity. Flush cleaning of the hose to eliminate manufacturing residue is recommended prior to use.

Standard Packaging: Coils or Cut to Length
Standard Color: Natural (Translucent White)

Specifications

- FDA Title 21 (White Core Only)
- SAE 100R14 for Size & Pressure
- EU Directive 2011/65/EU (RoHS2)

Average Maximum Length, (FT)	
3/16" through 1/2"	300
5/8" and 3/4"	150
1" and 1-1/4"	75

Features

- Operating Temperature is -53°C to 232°C
- Low Coefficient of Friction
- Excellent Weathering Properties
- High Pressure Capabilities
- Plasticizer-Free
- Excellent Flame Resistance
- Lead Free

PTFE-HOSE, White Core (.030" Inner Core Wall)

Dash Size	Nominal Hose Size (IN.)	Average ID (IN.)	Average OD (IN.)	Working PSI @ 70°F	Burst PSI @ 70°F	Bend Radius (IN.)	Weight (Lb)
-4	1/4	.187	.312	3000	12000	2	.077
-6	3/8	.312	.445	2500	10000	4	.110
-8	1/2	.405	.549	2000	8000	5.2	.124
-10	5/8	.500	.648	1500	6000	6.5	.154
-12	3/4	.625	.778	1200	4800	7.7	.170
-16	1	.875	1.030	1000	4000	9	.273

PTFE-HOSE, Black Conductive Core (.030" Inner Core Wall)

Dash Size	Nominal Hose Size (IN.)	Average ID (IN.)	Average OD (IN.)	Working PSI @ 70°F	Burst PSI @ 70°F	Bend Radius (IN.)	Weight (Lb)
-8	1/2	.405	.549	2000	8000	5.2	.124
-10	5/8	.500	.648	1500	6000	6.5	.154
-12	3/4	.625	.778	1200	4800	7.7	.170
-16	1	.875	1.030	1000	4000	9	.273

The values listed in this bulletin, to the best of our knowledge, are accurate. They are typical performance results and are not intended to be used as design data. We disclaim all liability in connection with the use of information contained herein or otherwise.