

PTFE Hose - PTFE-UHP

Ultra High Pressure Smoothbore PTFE

Part No.: PTFE-UHP

Construction: Smoothbore

Profile: High Flexibility / High Pressure

Tube Available: PTFE Virgin / Anti-static Inner Tube

Cover: 2 Aramid braids and 1 high tensile 304 maypole wound Stainless steel braid

Size Available: 1/4" - 1"

Temperature: -60°C +260°C

Sintered/Permeation: Slow Sintered (medium level of permeation). 1/4, 3/8" and 1/2" are available in Post Sintered on request (example PTFE-UHP-xx-PS)

Low | Med | High

Flexibility 

Cycle Life 

Pressure Rating 

Chemical Resistance 

Wall Thickness 

Construction

Use:

Ultra high pressure smoothbore PTFE is highest pressure hose and the lightest weight PTFE Hose on the market. Performing well above its weight due to its excellent routability, bend radius and reduced OD. Used for High pressure gas or fluid applications.

Standards:

USP Class VI compliance PTFE resin used in tubing,
FDA Approved, Accepted by the U.S. Coast Guard,
PTFE Perfluorocarbon Resins meets FDA 21 CFR 177.1550 ISO
ISO 1402 – Rubber and plastic hose and assemblies – hydrostatic testing
SAE J517 – Dimensional and performance Specification



Specifications

Temperature Correction Factor													
-60	-40	-20	0	20	50	100	120	150	180	200	220	250	260
1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.93	0.93	.85	0.85	0.77	0.77	0.70

Part Number	Size	Internal Diameter	Outside Diameter	Min. Bend Radius	Working Pressure		Burst Pressure	
	inch	mm	mm	mm	kPa	bar	kPa	bar
PTFE-UHP-06	1/4"	6.20	12.30	38	47500	475	190000	1900
PTFE-UHP-08	5/16"	8.10	14.20	47	45000	450	180000	1800
PTFE-UHP-10	3/8"	9.50	16.00	64	43000	430	175000	1750
PTFE-UHP-12	1/2"	12.70	19.50	74	42500	425	170000	1700
PTFE-UHP-15	5/8"	15.10	22.00	90	36000	360	145000	1450
PTFE-UHP-20	3/4"	20.00	27.50	180	27500	275	110000	1100
PTFE-UHP-25	1"	24.00	31.80	200	25000	250	100000	1000

Applications

