

PTFE Hose - SF6S

SLICKFLEX Smoothbore Inner / Convuluted Outer PTFE



Part No.: SF6S

Construction: Smoothbore inner with Convuluted on the outer

Profile: High Flexibility / Medium Pressure

Tube Available: PTFE Virgin / Anti-static Inner Tube / PFA

Braid Available: 316 Stainless Steel

Size Available: 1/4" - 2"

Temperature: -70°C to 260°C

Vacuum Resistance: Full Vacuum up to 130°C

Sintered/Permeation: Slow Sintered (medium level of permeation)

Low | Med | High

Flexibility 

Cycle Life 

Pressure Rating 

Chemical Resistance 

Wall Thickness 

Construction

Use: PTFE liner tube is smoothbore on the inside but convoluted on the outside, to combine the ease of assembly and high flow rates of a smooth bore hose with the flexibility and kink resistance. Pharmaceutical, Bio-tech, Food & Beverage, Chemical, Petro-chemical, General Purpose Industrial, Automotive OE & Autosport

Standards: USP Class VI compliance PTFE resin used in tubing, PTFE Perfluorocarbon Resins meets FDA 21 CFR 177.1550 (on request) ISO 1402 - Rubber and plastic hose and assemblies PTFE T62X according to "ASTM D4895, Type 1, Grade4, Class B", EU Food, USP Class VI.



Options:

Blue EPDM Cover



Silicon Cover



Polypropylene Braid



Encapsulated Hose Ends



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	Wall Thickness	Outside Diameter (mm)		Min. Bend Radius	Standard Max. Working Pressure		Min. Burst Pressure	
	inch	mm	mm	Tube	Braid	mm	kPa	bar	kPa	bar
SF6S-06	1/4"	6.8	1.6	8.6	9.6	19	8800	88	35000	350
SF6S-10	3/8"	10.0	1.6	12.5	13.5	25	8000	80	32000	320
SF6S-12	1/2"	13.4	1.6	16.4	18.0	38	6000	60	24000	240
SF6S-20	3/4"	19.1	1.8	20.0	24.1	50	6000	60	24000	200
SF6S-22	7/8"	21.0	2.1	23.8	27.0	55	5500	55	20000	170
SF6S-25	1"	25.5	2.2	30.0	31.4	70	5000	50	20000	160
SF6S-32	1 1/4"	31.8	2.65	37.3	39.3	100	4500	45	18000	180
SF6S-38	1 1/2"	38.1	3	45.0	46.1	140	4000	40	16000	160
SF6S-50	2"	50.8	3	59.1	61.0	200	3000	30	12000	120

Applications

