

Furon[®] HP PFA 400



High-Purity PFA Tubing

Ultra-high Purity Characteristics with Extremely Low Extractables and Leachables

Furon HP PFA is specifically designed to be used with the harshest chemicals while offering an excellent level of purity. This high purity tubing features a superior smooth surface inner bore, which provides excellent non-wettability, batch-to-batch clean-out and purging. It is ideal for use in the semiconductor industry, or other applications requiring high purity and/or superior chemical resistance.

Features and Benefits

- Non-destructive/non-contaminating laser scribing for positive identification of size, material and 100% lot traceability
- 100% virgin high-purity ultra-clean PFA resin - Specific material grade available
- Custom laser scribing available (for identifying chemicals/process media, tool number, OEM's name/private label, etc.)
- Optional ISO Class 7 cleanroom manufacturing environment
- Tube ends capped to prevent I.D. contamination
- "Clean-Pak" packaging available

ASK AN ENGINEER

Furon HP PFA 400

A high-purity, all-virgin, thermoplastic fluoropolymer tubing with the ability to withstand a large range of temperatures from -60°F (-50°C) up to +450°F (232°C).

Part Number	O.D. in (mm)	I.D. in (mm)	Wall Thickness in (mm)	Tolerance in (mm)	Min. Bend Radius* in (mm)
Standard Wall					
TSFP5-125063.HP	1/8" (3.17 mm)	1/16" (1.59 mm)	0.030" (0.76 mm)	+/- .004" (0.1 mm)	0.37" (9.30 mm)
TSFP5-250156.HP	1/4" (6.35 mm)	5/32" (3.97 mm)	0.047" (1.19 mm)	+/- .004" (0.1 mm)	1.20" (30.46 mm)
TSFP5-375250.HP	3/8" (9.52 mm)	1/4" (6.35 mm)	0.062" (1.57 mm)	+/- .005" (0.12 mm)	2.41" (61.10 mm)
TSFP5-500375.HP	1/2" (12.7 mm)	3/8" (9.52 mm)	0.062" (1.57 mm)	+/- .005" (0.12 mm)	3.73" (94.84 mm)
TSFP5-750625.HP	3/4" (19.05 mm)	5/8" (15.87 mm)	0.062" (1.57 mm)	+/- .005" (0.12 mm)	6.78" (172.25 mm)
TSFP5-100875.HP	1" (25.4 mm)	7/8" (22.22 mm)	0.062" (1.57 mm)	+/- .006" (0.15 mm)	10.23" (259.93 mm)
TSFP5-125110.HP	1-1/4" (31.75 mm)	1.1" (27.94 mm)	0.072" (1.83 mm)	+/- .008" (0.20 mm)	14.99" (380.68 mm)
TCFHP-1575-086	1.575" (40 mm)	1.403" (35.64 mm)	0.086" (2.18 mm)	+/- .008" (0.20 mm)	21.83" (554.39 mm)
Heavy Wall					
TSFP5-250125.HP	1/4" (6.35 mm)	1/8" (3.17 mm)	0.062" (1.57 mm)	+/- .005" (0.12 mm)	1.25" (31.86 mm)
TSFP5-750093.HP	3/4" (19.05 mm)	0.564" (14.33 mm)	0.093" (2.36 mm)	+/- .005" (0.12 mm)	16" (406.4 mm)
TSFP5-1000093.HP	1" (25.4 mm)	0.814" (20.68 mm)	0.093" (2.36 mm)	+/- .006" (0.15 mm)	21" (533.4 mm)
TSFP5-1250093.HP	1-1/4" (31.75 mm)	1.064" (27.03 mm)	0.093" (2.36 mm)	+/- .008" (0.20 mm)	27" (685.8 mm)
TSFP5-1500093.HP	1-1/2" (38.1 mm)	1.314" (33.38 mm)	0.093" (2.36 mm)	+/- .008" (0.20 mm)	32" (812.8 mm)
Thin Wall					
TSFP5-250188.HP	1/4" (6.35 mm)	3/16" (4.76 mm)	0.030" (0.76 mm)	+/- .003" (0.08 mm)	1.09" (27.69 mm)
TSFP5-375313.HP	3/8" (9.52 mm)	5/16" (7.94 mm)	0.030" (0.76 mm)	+/- .003" (0.08 mm)	1.98" (50.30 mm)
TSFP5-500438.HP	1/2" (12.7 mm)	7/16" (11.11 mm)	0.030" (0.76 mm)	+/- .003" (0.08 mm)	2.99" (75.90 mm)
TSFP5-750688.HP	3/4" (19.05 mm)	11/16" (17.46 mm)	0.030" (0.76 mm)	+/- .003" (0.08 mm)	5.27" (133.97 mm)

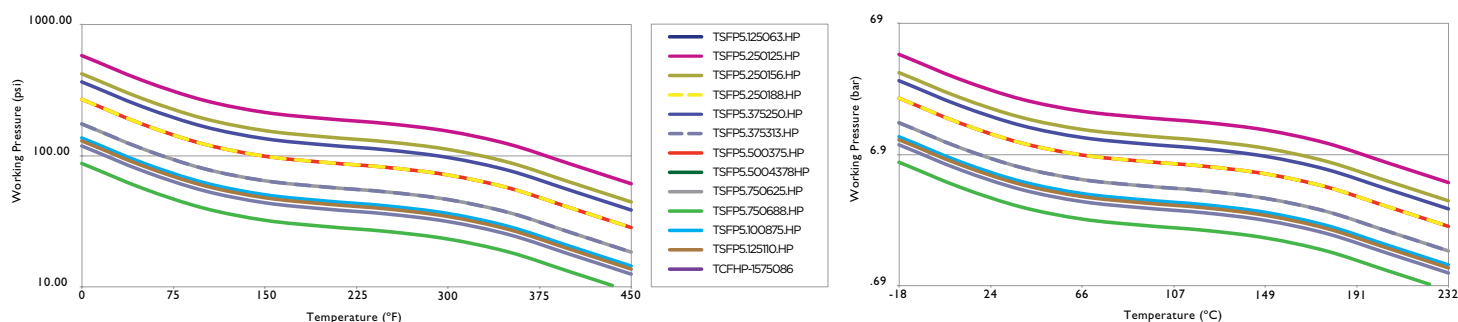
* Values are obtained either by testing or calculation. [Contact us for more detail.](#)

Customization

Special order sizes, thicknesses and lengths are available; contact the factory for items not listed above. Specific grades of raw materials may be required (for ex. Dupont 450 HP or Daikin 231 SH); contact the factory for the related PN. Cleanroom-compliant plastic reels are available upon request. Coils are available based on length and are shipped in cleanroom-compliant double bags.

Specifications

Furon HP PFA 400 - Working Pressures**



** For pressure curves not represented on this graph, [contact us for more detail.](#)



Saint-Gobain Performance Plastics
 210 Harmony Road
 Mickleton, NJ 08056
 USA
 Tel: +1-856-423-6630
 Fax: +1-856-423-8182

Saint-Gobain Performance Plastics - France
 56, Chemin des Berthilliers
 71850 Charnay-lès-Mâcon
 France
 Tel: (33) 3-85-20-27-00
 Fax: (33) 3-85-29-18-48

NOTE: This document is intended to provide information about the product to enable you to consider whether generally the Product meets your application need and is not intended to provide product specification. This document should not be considered a Product warranty or guaranty. To the extent this document mentions any tests done by Saint-Gobain, such tests are done under controlled laboratory circumstances and hence other factors in your use and application may impact such values. Saint-Gobain strongly recommends that you conduct practical tests simulating the conditions of your application to ensure that the product meets your requirements for your specific application.

Furon® is a registered trademark of Saint-Gobain Performance Plastics.