

FURON[®] **HP PFA 400 UC CUSTOM LOGIC TUBING**

**HIGH-PURITY
ULTRA-CLEAN**

Furon HP PFA 400 UC Custom Logic Tubing is specifically designed and produced to be used with the harshest chemicals while offering the greatest level of purity, matching industry standards such as SEMI C90. The specific choice of raw material and process selected for its production yields tubing with the lowest total metal extractables and at the same time offers the least surface contamination.

Furon HP PFA 400 UC Custom Logic Tubing is ideal for use in the semiconductor industry specifically striving for the smallest printing node and highest yield.

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 grades available
- Custom laser scribing available (for identifying chemicals/process media, tool number, OEM's name/private label, etc.)
- Tube ends capped to prevent I.D. contamination
- "Clean-Pak" packaging available
- Fixed interval testing, per Saint Gobain SOP, is in place to ensure product meets SEMI C90 standard

Furon® HP PFA 400 UC Custom Logic Tubing

NOMENCLATURE

Furon HP PFA 400 UC Custom Logic Tubing part numbers are created depending upon various properties of the tube. It is based on selected options available for each property.

Example Part Number

FUI6OFURFX-451

Furon Tubing Product	Size Unit	Size Diameter		ID/OD Definition	Wall Thickness		Material	Packaging	Length Unit	Length	Iteration # (Non-Standard/ Specialty Item)
		in	mm		in	mm					
400 HP PFA UC = FU	Imperial = I Metric = M	1/4 = 4 5/16 = 5 3/8 = 6 7/16 = 7 1/2 = 8 9/16 = 9 5/8 = 10 11/16 = 11 3/4 = 12 13/16 = 13 7/8 = 14 15/16 = 15 1 = 16 1-1/4 = 20 1-1/2 = 24 2 = 32	3 mm = 3 4 mm = 4 5 mm = 5 6 mm = 6 7 mm = 7 8 mm = 8 9 mm = 9 10 mm = 10 11 mm = 11 12 mm = 12 40 mm = 40	ID = I OD = O	0.031 = D 0.047 = E 0.062 = F 0.075 = G 0.086 = H	0.5 mm = M 1 mm = N 1.5 mm = O 2 mm = P 2.18 mm = H	HP PFA UC = U	Coil = C Reel = R Straight = S Undefined = X	Feet = F Meters = M	1 - 9 for single digit length in ft 10 = O 15 = A 20 = P 30 = B 50 = C 100 = D 200 = E 250 = F 300 = G 400 = H 500 = I 1000 = J Unit Length = X	Daikin 231SH = 231 Chemours 450HP = 450 Chemours 451HP = 451 Chemours 950HP = 950 Chemours 951HP = 951 Other iterations are present when other material or customization is used. If there is no number or dash in the part number in this position, the tubing is a standard configuration.

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High-purity, all-virgin, thermoplastic fluoropolymer (PFA) material regularly has the ability to withstand a wide range of temperatures from -60°F (-50°C) up to +450°F (232°C). Please [Contact Us](#) for any temperature inquiries.

SPECIFICATIONS

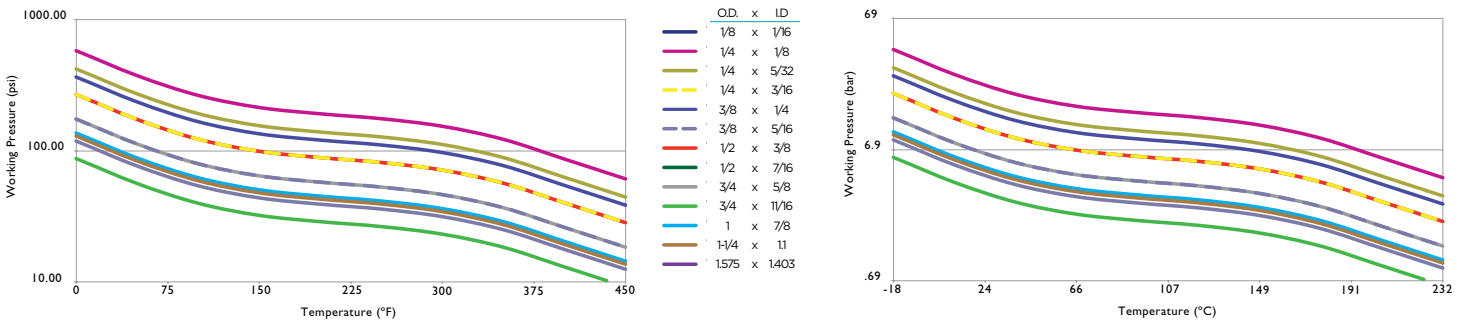
O.D.		I.D.		Wall Thickness		Tolerance		Min. Bend Radius*	
in	mm	in	mm	in	mm	in	mm	in	mm
1/4	6.35	5/32	3.97	0.047	1.19	+/- 0.004	+/- 0.10	1.20	30.46
3/8	9.52	1/4	6.35	0.062	1.57	+/- 0.005	+/- 0.12	2.41	61.10
1/2	12.7	3/8	9.52					3.73	94.84
3/4	19.05	5/8	15.87					6.78	172.25
1	25.4	7/8	22.22	0.075	1.83	+/- 0.006	+/- 0.15	10.23	259.93
1-1/4	31.75	1.1	27.94					14.99	380.68
1.575	40	1.403	35.64	0.086	2.18	+/- 0.008	+/- 0.20	21.83	554.39

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

FURON HP PFA 400 UC CUSTOM LOGIC TUBING MATERIAL

O.D.		I.D.		450HP Chemours™	451HP Chemours™	950HP Chemours™	951HP Chemours™	231SH Daikin®
in	mm	in	mm	Part Number	Part Number	Part Number	Part Number	Part Number
1/4	3.17	5/32	1.59	FUI40EURFX-450	FUI40EURFX-451	FUI40EURFX-950	FHI40EURFX-951	FHI40EURFX-231
3/8	6.35	1/4	3.97	FUI60FURFX-450	FUI60FURFX-451	FUI60FURFX-950	FHI60FURFX-951	FHI60FURFX-231
1/2	9.52	3/8	6.35	FUI80FURFX-450	FUI80FURFX-451	FUI80FURFX-950	FHI80FURFX-951	FHI80FURFX-231
3/4	12.7	5/8	9.52	FUI120FURFX-450	FUI120FURFX-451	FUI120FURFX-950	FHI120FURFX-951	FHI120FURFX-231
1	19.05	7/8	15.87	FUI160FURFX-450	FUI160FURFX-451	FUI160FURFX-950	FHI160FURFX-951	FHI160FURFX-231
1-1/4	25.4	1.1	22.22	FUI200GURFX-450	FUI200GURFX-451	FUI200GURFX-950	FHI200GURFX-951	FHI200GURFX-231
1.575	40	1.403	35.64	FUM400HURFX-450	FUM400HURFX-451	FUM400HURFX-950	FHM400HURFX-951	FHM400HURFX-231

FURON HP PFA 400 UC TUBING - WORKING PRESSURES**



** Values are obtained either by testing or calculation. For pressure curves not represented on this graph, [contact us for more detail.](#)

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