



## PFA

## PFA Tubing



### Product Description

Grayline PFA tubing is made from a semi-rigid, natural color FDA-approved fluoropolymer resin. It has great gas and vapor permeability properties and is chemically inert. It also exhibits great electrical and weathering properties and has an excellent UV transmission rating. Grayline PFA tubing can be used with virtually all industrial solvents, chemicals, and corrosive materials, even at elevated temperatures (excluding fluorine, molten sodium hydroxide, and molten alkali metals). It can be steam or chemically sterilized in-line with any industrial cleaner, solvent, or sterilizing method. It's non-stick property allows transport of viscous, sticky materials without line clogging.

*Standard Packaging: Coils or Reels*

*Standard Color: Natural (Clear/Translucent)*

*Custom Services: Cut Length, Size, Convoluted & Coiled Hose*

### Specifications

- FDA Title 21 (Material Only)
- USP Class VI (Material Only)
- UL94 V0 (Material Only)
- ASTM D 6867-03
- EU Directive 2011/65/EU (RoHS2)

### Features

- Operating Temperature is  $-184^{\circ}\text{C}$  to  $260^{\circ}\text{C}$
- Low coefficient of friction
- Plasticizer-Free
- Excellent Flame Resistance
- Lead Free

PROPERTY	TYPICAL VALUE
Durometer Hardness, Shore D	60
Tensile Strength (psi)	4,200
Elongation (%)	400

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### Standard Inch Sizes

I.D. (Inches)	OD (Inches)	Wall (Inches)	Bend Radius (Inches)	Max. Working PSI at 72°F
1/32" (.031)	1/16" (.062±.003)	0.015±.003"		
1/16" (.063)	1/8" (.125±.004)	0.030±.003"	1/2"	449
1/16" (.063)	3/16" (.188±.004)	0.062±.003"	1/2"	617
3/32" (.094)	5/32" (.156±.004)	0.030±.003"	1/2"	360
1/8" (.125)	3/16" (.188±.004)	0.030±.003"	3/4"	299
1/8" (.125)	1/4" (.250±.004)	0.062±.003"	1/2"	464
0.156"	1/4" (.250±.004)	0.047±.003"	3/4"	352
0.170"	1/4" (.250±.004)	0.040±.003"	1"	300
3/16" (.188)	1/4" (.250±.004)	0.030±.003"	1"	225
1/4" (.250)	5/16" (.313±.004)	0.030±.003"	1-3/4"	179
1/4" (.250)	3/8" (.375±.005)	0.062±.003"	1"	310
5/16" (.313)	3/8" (.375±.005)	0.030±.003"	2-1/2"	150
5/16" (.313)	7/16" (.438±.005)	0.062±.003"	2"	265
3/8" (.375)	7/16" (.438±.005)	0.030±.003"	3-1/2"	128
3/8" (.375)	1/2" (.500±.005)	0.062±.003"	2"	232
7/16" (.438)	1/2" (.500±.005)	0.030±.003"	4"	112
1/2" (.500)**	9/16" (.563±.005)	0.030±.003"		
1/2" (.500)	5/8" (.625±.005)	0.062±.003"	3"	186
9/16" (.563)**	5/8" (.625±.005)	0.030±.003"	6-1/2"	90
5/8" (.625)**	11/16" (.688±.005)	0.030±.003"		
5/8" (.625)	3/4" (.750±.005)	0.062±.003"	6"	155
11/16" (.688)**	3/4" (.750±.005)	0.030±.003"	8"	75
3/4" (.750)**	7/8" (.875±.005)	0.062±.003"	12"	133
7/8" (.875)	1" (1.000±.005)	0.062±.003"	22"	116
1.000"	1-1/8" (1.125±.006)	0.062±.003"	n/a	105
1-1/8" (1.125)*	1-1/4" (1.250±.006)	0.062±.003"	n/a	84

\*Available in straight lengths only

\*\*Limited stock item; lead times and minimums apply

### Standard Metric Sizes

I.D. (mm)	OD (mm)	Wall (mm)	Bend Radius (Inches)	Max. Working PSI at 72°F
2.0	4.0	1.0	1-1/2"	468
3.0	5.0	1.0		
4.0	6.0	1.0	1-3/4"	312
5.0	7.0	1.0		
6.0	8.0	1.0	2-1/2"	234
6.0	9.0	1.5		
7.0	9.0	1.0		
8.0	10.0	1.0	2-3/4"	187
9.0	11.0	1.0		
9.0	12.0	1.5		
10.0	12.0	1.0	4"	156
12.0	14.0	1.0		
14.0	16.0	1.0		

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