



## FEP

## FEP Tubing



### Product Description

Grayline FEP 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 FEP 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 D3296-03
- EU Directive 2011/65/EU (RoHS2)

### Features

- Operating Temperature is  $-73^{\circ}\text{C}$  to  $204^{\circ}\text{C}$
- Low Coefficient of Friction
- Better optical clarity and more flexible than PTFE
- Plasticizer-Free
- Excellent Flame Resistance
- Lead Free

PROPERTY	TYPICAL VALUE
Durometer Hardness, Shore D	57 - 60
Tensile Strength (psi)	4,000
Elongation (%)	400

*The values listed in this bulletin, to the best of our knowledge, are accurate. They are typical performance results and are not intended to be used as design data. We disclaim all liability in connection with the use of information contained herein or otherwise.*



## FEP

## FEP Tubing

### 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"	445
1/16" (.063)	3/16" (.188±.004")	0.062±.003"	1/2"	612
3/32" (.094)	5/32" (.156±.004")	0.030±.003"	1/2"	357
1/8" (.125)	3/16" (.188±.004")	0.030±.003"	3/4"	296
1/8" (.125)	1/4" (.250±.004")	0.062±.003"	1/2"	460
5/32" (.156)	1/4" (.250±.004")	0.047±.003"	3/4"	349
0.170	1/4" (.250±.004")	0.040±.003"	1"	297
3/16" (.188)	1/4" (.250±.004")	0.030±.003"	1"	223
1/4" (.250)	5/16" (.313±.004")	0.030±.003"	1-3/4"	178
1/4" (.250)	3/8" (.375±.005")	0.062±.003"	1"	307
5/16" (.313)	3/8" (.375±.005")	0.030±.003"	2-1/2"	148
5/16" (.313)	7/16" (.438±.005")	0.062±.003"	2"	263
3/8" (.375)	7/16" (.438±.005")	0.030±.003"	3-1/2"	127
3/8" (.375)	1/2" (.500±.005")	0.062±.003"	2"	230
7/16" (.438)	1/2" (.500±.005")	0.030±.003"	6"	111
1/2" (.500)	9/16" (.563±.005")	0.030±.003"		
1/2" (.500)	5/8" (.625±.005")	0.062±.003"	3"	184
9/16" (.563)	5/8" (.625±.005")	0.030±.003"	6-1/2"	89
5/8" (.625)	11/16" (.688±.005")	0.030±.003"		
5/8" (.625)	3/4" (.750±.005")	0.062±.003"	6"	153
11/16" (.688)	3/4" (.750±.005")	0.030±.003"	8"	74
3/4" (.750)	7/8" (.875±.005")	0.062±.003"	12"	132
7/8" (.875)	1.000±.005"	0.062±.003"	22"	115
1.000"	1-1/8" (1.125±.006")	0.062±.003"	n/a	75
1-1/8" (1.125)*	1-1/4" (1.250±.006")	0.062±.003"	n/a	70

\*Available in straight lengths only

### 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"	464
3.0	5.0	1.0		
4.0	6.0	1.0	1-3/4"	309
5.0	7.0	1.0		
6.0	8.0	1.0	2-1/2"	232
6.0	9.0	1.5		
7.0	9.0	1.0		
8.0	10.0	1.0	2-3/4"	186
9.0	11.0	1.0		
9.0	12.0	1.5		
10.0	12.0	1.0	4"	155
12.0	14.0	1.0		
14.0	16.0	1.0		

The values listed in this bulletin, to the best of our knowledge, are accurate. They are typical performance results and are not intended to be used as design data. We disclaim all liability in connection with the use of information contained herein or otherwise.