

FEP TUBING INFO

FEP Fluoropolymer Tubing Features:

- 100% virgin FEP resin
- Excellent UV transmission
- Low permeability
- High thermal stability
- Excellent clarity
- Moisture absorption nearly zero
- Does not impart taste, odor or contaminants
- Non-flammable
- Tubing is self-extinguishing

Applications

- Ground water monitoring
- Air Sampling tubes
- Laboratory applications
- Water process
- UV water purification systems

Specifications

General: FEP meets the requirements listed in ASTM D 2116

Temperature: -100°F to 400°F

Flammability: FEP tubing resists combustion and does not promote flame spread.



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FEP TUBING – BEND RADIUS AND WORKING PRESSURE CHART

Material	OD	Wall	ID	Bend Radius	Working Pressure @ 73 F
FEP	.125	0.030	0.062	½"	445
FEP	.156	0.030	0.094	½"	357
FEP	.188	0.030	0.125	¾"	296
FEP	.188	0.062	0.062	½"	612
FEP	.250	0.030	0.188	1"	223
FEP	.250	0.040	0.170	1"	297
FEP	.250	0.047	0.157	¾"	349
FEP	.250	0.062	0.125	½"	460
FEP	.313	0.030	0.250	1-3/4"	178
FEP	.313	0.062	0.188	1"	368
FEP	.375	0.030	0.313	2-1/2"	148
FEP	.375	0.062	0.438	1"	307
FEP	.438	0.030	0.375	3-1/2"	127
FEP	.438	0.062	0.313	2"	263
FEP	.500	0.030	0.438	6"	111
FEP	.500	0.062	0.375	2"	230
FEP	.625	0.030	0.562	6-1/2"	89
FEP	.625	0.062	0.500	3"	184
FEP	.75	0.030	0.688	8"	74
FEP	.75	0.062	0.625	6"	153
FEP	.875	0.062	0.750	12"	132
FEP	1.00	0.062	0.875	22"	115
FEP	1.125	0.062	1.000	N/A	75
FEP	1.250	0.062	1.125	N/A	70

The above information is based on tests performed at 73° F and can vary in individual applications based on parameters such as temperature, chemical concentration, pressure, etc. Please consult factory for details. For an estimate on burst pressure at ambient temperature we consider a 3:1 ratio when exposure temperature is 73° F.

FEP TUBING – PHYSICAL PROPERTIES

Physical Property	ASTM Test Method	Units	Value
Upper Service Temp Long Terms			400 F
Specific Gravity	D 792		2.12-2.17
Tensile Strength	D 1708	PSI	3500
Elongation	D 638	%	300-400
Flex Modulus	D 790	PSI	90,000
MT Flex Life	D 2176		5000
Hardness	D 2240	Shore D	57-60

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