

FEP Tubing

FEP tubing is an economical choice for tubing applications requiring chemical resistance in combination with broad temperature exposure. FEP tubing and pipe offer excellent clarity which makes them ideal for sight glass and other flow monitoring applications. Additionally, the outstanding UV transmission rate of FEP makes the tubing a clear choice for UV water purification systems in straight lengths or coiled hose constructions.

Temperature

-100°F to 400°F

Features

- 100% virgin grade high performance resins used to resist stress cracking
- Chemically inert to most industrial chemicals and solvents
- High thermal stability
- Excellent UV transmission
- Low permeability
- Moisture absorption nearly zero
- FDA compliant for food contact
- Non-flammable
- Self extinguishing
- Superior electrical insulation properties
- FEP Tubing is also available in coiled hose, convoluted tubing, and heat-shrink constructions

Applications

- Chemical process
- Aquatic
- Laboratory
- UV water purification systems
- Ground water monitoring
- Ground remediation
- Food processing
- Electrical insulation
- Telecommunications
- Conduit
- Heat exchangers

Packaging

- Per customer's specifications
- Clean room packed
- Available pre-flared and pre-cut
- Sterilization
- Available DI washed and nitrogen packed

Certifications

- FEP tubing & pipe meet the requirements of USP Class VI Standards
- FEP tubing and pipe are approved for use in food contact applications in compliance with FDA 21 CFR 177.1550
- FEP tubing meets or exceeds the requirements listed in ASTM D3296-03

Standard Wall Tubing

| Part Number | ID Inch | OD Inch | Wall Inch | Bend Radius Inch | Max WP @ 72°F psig |
|-----------------|---------|---------|-----------|------------------|--------------------|
| RFFEP-062-125 | 1/16 | 1/8 | 1/32 | 1/2 | 445 |
| RFFEP-062-187 | 1/16 | 3/16 | 1/16 | 1/2 | 612 |
| RFFEP-125-250 | 1/8 | 1/4 | 1/16 | 1/2 | 460 |
| RFFEP-125-187 | 1/8 | 3/16 | 1/32 | 3/4 | 296 |
| RFFEP-156-250 | .156 | .250 | .047 | 3/4 | 349 |
| RFFEP-170-250 | .170 | .250 | .040 | 1 | 297 |
| RFFEP-187-312 | 3/16 | 5.16 | 1/16 | 1 | 368 |
| RFFEP-187-156 | 3/32 | 5.32 | 1/32 | CF | CF |
| RFFEP-187-250 | 3/16 | 1/4 | .030 | 1 | 223 |
| RFFEP-250-312 | 1/4 | 5/16 | .030 | 1-3/4 | 178 |
| RFFEP-250-375 | 1/4 | 3/8 | 1/16 | 1 | 307 |
| RFFEP-312-375 | 5/16 | 3/8 | .030 | 2-1/2 | 148 |
| RFFEP-375-437 | 3/8 | 7/16 | .030 | 3-1/2 | 127 |
| RFFEP-375-500 | 3/8 | 1/2 | .062 | 2 | 230 |
| RFFEP-437-500 | 7/16 | 1/2 | .030 | 6 | 111 |
| RFFEP-562-625 | 9/16 | 5/8 | .030 | 6-1/2 | 89 |
| RFFEP-500-625 | 1/2 | 5/8 | .062 | 3 | 184 |
| RFFEP-625-750 | 5/8 | 3/4 | 1/16 | 6 | 153 |
| RFFEP-687-750 | 11/16 | 3/4 | .030 | 8 | 74 |
| RFFEP-750-875 | 3/4 | 7/8 | .062 | 12 | 132 |
| RFFEP-875-1000 | 7/8 | 1 | .062 | 22 | 115 |
| RFFEP-100-1125 | 1 | 1-1/8 | .062 | CF | 75 |
| RFFEP-1125-1250 | 1-1/8 | 1-1/4 | 1/16 | CF | 70 |

Metric Size Tubing

| | | | | | |
|-----------------|------|------|-------|-------|-----|
| RFFEP-1MM-3MM | 1mm | 3mm | 1mm | CF | CF |
| RFFEP-2MM-4MM | 2mm | 4mm | 1mm | 1-1/2 | 464 |
| RFFEP-3MM-5MM | 3mm | 5mm | 1mm | CF | CF |
| RFFEP-4MM-6MM | 4mm | 6mm | 1mm | 1-3/4 | 309 |
| RFFEP-5MM-7MM | 5mm | 7mm | 1mm | CF | CF |
| RFFEP-6MM-8MM | 6mm | 8mm | 1mm | 2-1/2 | 232 |
| RFFEP-6MM-9MM | 6mm | 9mm | 1.5mm | CF | CF |
| RFFEP-7MM-9MM | 7mm | 9mm | 1mm | CF | CF |
| RFFEP-8MM-10MM | 8mm | 10mm | 1mm | 2-3/4 | 186 |
| RFFEP-9MM-11MM | 9mm | 11mm | 1mm | CF | CF |
| RFFEP-10MM-12MM | 10mm | 12mm | 1mm | 4 | 155 |
| RFFEP-11MM-13MM | 11mm | 13mm | 1mm | CF | CF |
| RFFEP-12MM-14MM | 12mm | 14mm | 1mm | CF | CF |

CF = Consult Factory

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