

FEP Tubing & Pipe

FEP (fluorinated ethylene propylene) tubing is an economical choice for tubing applications requiring chemical resistance in combination with broad temperature exposure. Our 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. This tubing may be used with flare or conventional fittings. FEP pipe may be joined using conventional threaded fittings or welded.

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

Applications:

- Chemical process
- Aquatic
- Laboratory applications
- UV water purification systems
- Ground water monitoring
- Ground remediation
- Food processing
- Electrical insulation
- Telecommunications
- Conduit
- Heat Exchangers
- Automotive Paint Spray

FEP Physical Properties

Physical Property	ASTM Test Method	Units	Values
Upper Service Temp			400°F
Specific Gravity	D 792		2.15
Tensile Strength	D 1708	PSI	4000
Elongation	D 638	%	400
Flex Modulus	D 790	PSI	90000
MIT Flex Life	D 2176		200000
Hardness	D 2240	Shore D	57-60

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.

NOTE: The values represented above are based on the use of 100% virgin grade high performance - low melt flow FEP resin as used in the production of NORELL FEP Tubing. When comparing data it is critical that performance values are listed for the grade of resin used.