

P/N	OD	Tol
FIR0.125	0.125	+ .002, -0
FIR0.156	0.156	+ .002, -0
FIR0.187	0.187	+ .002, -0
FIR0.250	0.250	+ .002, -0
FIR0.312	0.312	+ .002, -0
FIR0.375	0.375	+ .002, -0
FIR0.437	0.437	+ .002, -0
FIR0.500	0.500	+ .002, -0
FIR0.625	0.625	+ .002, -0
FIR0.750	0.750	+ .002, -0
FIR1.000	1.000	+ .002, -0
FIR1.125	1.125	+ .005, -0
FIR1.250	1.250	+ .005, -0
FIR1.500	1.500	+ .005, -0
FIR1.625	1.625	+ .005, -0
FIR1.750	1.750	+ .005, -0
FIR2.000	2.000	+ .005, -0
FIR2.250	2.250	+ .005, -0

Physical Property	ASTM TEST METHOD	Units	Values
Upper Service Temp.			-148 F TO 400 F -100 C TO 204 C
Specific Gravity	D792		2.15
Water Absorption	D570(2)	%	<.01
Tensile Strength	D638	PSI	3,400
Elongation at Break	D638	%	325
Flex Modulus	D790	PSI	85,000
Hardness	D2240 SHORE D		55-60
Dielectric Strength	D194		500

Notes: Additional rod sizes and resins are available. For pricing and lead-time please contact customer service with dimensions, lengths, and quantities.

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Fluorinated Ethylene Propylene Rods

Fluorinated Ethylene Propylene (FEP) is a high-performance fluoropolymer and the product of choice for applications requiring broad temperature exposure combined with excellent chemical resistance. FEP possesses good stress crack resistance, exceptional dielectric properties, and long term weatherability. FEP has the lowest refractive index of all thermoplastics with low light reflection.

Features

- Wide temperature range
- Chemically inert to nearly all industrial chemicals and solvents
- High thermal stability
- Low permeability
- Moisture absorption nearly zero
- FDA compliant for food contact
- Non-flammable
- Low coefficient of friction

Applications

- Chemical process
- Semiconductor
- Electrical
- Food processing
- Medical technologies
- Seals

Specifications

- **Temperature:** -148 F TO 400 F / -100 C TO 204 C
- **Resin:** 100% Virgin High performance FEP resin
- **Standard Lengths:** 6 FT / 12 FT
- **Certification:** ASTM D 2116 TYPE IV
FDA Compliant per 21 CFR177.1550