

P/N	OD	Tol
KFR0.156	0.156	+.002,-0
KFR0.250	0.250	+.002,-0
KFR0.312	0.312	+.002,-0
KFR0.375	0.375	+.002,-0
KFR0.437	0.437	+.002,-0
KFR0.500	0.500	+.002,-0
KFR0.625	0.625	+.002,-0
KFR0.750	0.750	+.002,-0
KFR0.875	0.875	+.002,-0
KFR1.000	1.000	+.002,-0
KFR1.125	1.125	+.005,-0
KFR1.250	1.250	+.005,-0
KFR1.500	1.500	+.005,-0
KFR1.750	1.750	+.005,-0
KFR1.875	1.875	+.005,-0
KFR2.000	2.000	+.005,-0
KFR2.250	2.250	+.005
KFR2.500	2.500	.020
KFR3.000	3.000	.020
KFR3.250	3.250	
KFR3.500	3.500	
KFR4.000	4.000	
KFR4.500	4.500	
KFR5.000	5.000	
KFR6.000	6.000	

Physical Property	ASTM TEST METHOD	Units	Values
Upper Service Temp.			-400 F TO 380 F -240 C TO 194 C
Specific Gravity	D792		2.15
Water Absorption	D570(2)	%	<.01
Tensile Strength	D638	PSI	5300
Elongation	D638	%	30
Flex Modulus	D790	PSI	180,000
Hardness	D2240 SHORE D		90
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.

NEOFLO[®]N is a registered trademark of Daikin.

Polychlorotrifluoroethylene Rods

PCTFE (Also referred to as Kel-F or Neoflon) is a fluoropolymer material that possesses outstanding strength and dimensional stability, with excellent chemical and radiation resistance. PCTFE, like other fluoropolymer materials, has superior flammability resistance. PCTFE has a wide temperature use range of -400 FT to 380 F, is resistant to cold flow and has the lowest coefficient of thermal expansion of any unfilled fluoropolymer.

Features

- Excellent thermal strength
- Non-flammable
- Optical transparency
- High compressive strength
- Rigidity
- Excellent chemical resistance

Applications

- Seals and gaskets
- Aerospace
- Cryogenic systems
- Food processing
- Marine applications
- Valves and other components

Specifications

- **Temperature:** -400 F TO 380 F / -240 C TO 194 C
- **Resin:** 100% Virgin PCTFE
Daikin NEOFLO[®]N M-400H PCTFE
- **Standard Lengths:** 6 FT / 12 FT
- **Certification:** ASTM D1439017 GROUP 1, CLASS 1, GRADE 3
FDA Compliant per 21 CFR177.1380
AMS 3650 (Lot Testing required for certification)