



## CHEMFLUOR® PCTFE ROD

(Chlorotrifluoroethylene)

- Excellent chemical resistance
- Excellent electrical insulating properties
- Temperature range (-400°F to 392°F)
- Near-zero moisture absorption
- Ultraviolet stability

### Applications:

- Valves
- Seals
- Bearings
- Electronics
- Gaskets
- Medical/Pharmaceutical
- Aerospace Industry instrumentation

**Sizes:** 1/16" to 3" Diameters (Custom sizes and colors available)

PCTFE (formerly marketed by 3M as Kel-F 81) is a high-performance thermoplastic. The unique balance of mechanical, chemical, and electrical properties of PCTFE are not available in any other engineering plastics. This is a versatile material whose properties may be modified over a wide range depending on fabrication conditions.

The high compressive strength and dimensional stability of PCTFE makes it a good structural material. It also has a very low outgassing rate and permeability, making it a

## CHEMFLUOR® PFA ROD (Perfluoroalkoxy)

- Chemically inert
- Low coefficient of friction
- Excellent electrical properties
- Excellent crack and stress resistance
- FDA compliant
- Translucent
- Broad temperature range

### Applications:

- Coating cable
- Insulating bushings
- Pharmaceutical industry
- Valve and pump linings
- Release applications
- Semi-conductor industry

**Sizes:** 1/16" to 3" Diameters (Custom sizes and colors available)

PFA is a fluoropolymer with most of the physical and chemical properties of PTFE. However, it has lower permeation and better flex life. The temperature range is from 320°F to a maximum of 500°F. PFA is essentially chemically inert even at extreme temperatures and is virtually nonporous.

PFA is often used as a liner or a coating to prevent corrosion, but it can be used in any application requiring a wide temperature range and chemical compatibility. High purity and USP Class VI grades are available.