

PCTFE

PolyChloroTriFluoroEthylene

OVERVIEW

PolyChloroTriFluoroEthylene is a fluorocarbon-based polymer and is commonly abbreviated PCTFE. This PCTFE resin has the same chemical structure and properties as the original Kel-F® brand material. PCTFE offers the unique combination of physical and mechanical properties, nonflammability, chemical resistance, near zero moisture absorption, and excellent electrical properties.

APPLICATIONS & USES

- Bushings & Bearings
- Compressor, Valve and Pump Applications
- Films commonly used for Packaging
- Gaskets
- Seals Applications
- Stock Shapes for machining components

TECHNICAL DATA

PROPERTY	VALUE
Yield Tensile Strength (psi)	5,300
Tensile Modulus	207,000
Yield Tensile Elongation	150%
Flexural Strength (psi)	85,000
Flexural Modulus (psi)	180,000
Izod Impact Strength (ft-lbs/in.)	5
Coefficient of Friction	.23 — .35
Max Continuous Operating Temp° F	379° F
Minimum Operating Temp° F	-400° F
Coefficient of Linear Thermal Expansion	7
UV Resistant	Yes

The data provided gives the typical properties of the material. These are “typical” properties only, and should not be used for specification purposes. This information is based on our experience to date and we believe it to be reliable. It is intended to be used only as a guide at your discretion and risk. Jade cannot guarantee favorable results and assumes no liability in connection with the use of this product. None of this information is to be taken as a license to operate under, or recommendation to infringe, any patents.