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## **PFA** Perfluoroalkoxy

## **OVERVIEW**

PerFluoroAlkoxy (PFA) offers similar properties to FEP, but is considered more of a premium resin. PFA is preferred when extended service is required in hostile environments involving chemical, thermal, and mechanical stress. PFA offers high melt strength, stability at high processing temperatures, excellent crack and stress resistance, a low coefcient of friction, and more than 10 times the Flex life of FEP.

## **TECHNICAL DATA**

## **APPLICATIONS & USES**

Crack resistant, creep resistant, excellent flex life, low coefficient of friction, outstanding chemical resistance, wide operating temp range.

- Aircraft Wire
- Cables
- Chemical Processing Components
- Roll Covers
- Wire and Cable Applications
- Seals

PROPERTY	VALUE
Yield Tensile Strength (psi)	3,600
Yield Tensile Elongation	300%
Flexural Strength (psi)	_
Flexural Modulus (psi)	85,000
Izod Impact Strength (ft-Ibs/in.)	No break
Coefficient of Friction	0.2
Max Continuous Operating Temp° F	500° F
Minimum Continuous Operating Temp° F	-320° F
Flammability Rating	V-0
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.