

Ensinger Tecapeek® XP-181 Compression Molded PPEK Compound, EWS Filled and Carbon Fiber Reinforced

Category : Polymer , Thermoplastic , Polyketone , Polyetheretherketone (PEEK) , Polyetheretherketone, PEEK, Carbon Fiber Filled

Material Notes:

Ensinger Special Polymers offers over twenty different VICTREX® PEEK blends to choose from and has the capability to blend custom compounds for specific applications. Compression molding results in lower amounts of scrap, uniform physical properties and fewer molded-in stresses. TECAPEEK is a high-performance engineering thermoplastic. This semi-crystalline material has a balance of high temperature mechanical properties, chemical and steam resistance, superior wear properties and processability which makes it unique. Applications Include: Bearings and Bushings Down-hole instrumentation Wear Rings Ball Valve Seats Electrical Components Back-up and V-Rings Piston Rings and Rider Bands Information provided by Ensinger Special Polymers, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ensinger-Tecapeek-XP-181-Compression-Molded-PPEK-Compound-EWS-Filled-and-Carbon-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.90 g/cc	0.0686 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	104	104	ASTM D785
Tensile Strength	84.8 MPa	12300 psi	ASTM D638
Elongation at Break	1.1 %	1.1 %	ASTM D638
	1.8 %	1.8 %	Flexural Strain; ASTM D790
Tensile Modulus	10.3 GPa	1500 ksi	ASTM D638
Flexural Strength	132 MPa	19200 psi	ASTM D790
Flexural Modulus	9.65 GPa	1400 ksi	ASTM D790
Izod Impact, Notched	0.374 J/cm	0.700 ft-lb/in	ASTM D256

Descriptive Properties	Value	Comments
Color	Black	

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