

Ensinger Tecapeek® XP-91 Compression Molded PEEK Compound, 30% Fiberglass

Category : Polymer , Thermoplastic , Polyketone , Polyetheretherketone (PEEK) , Polyetheretherketone, PEEK, Glass 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. Typical Applications: 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-91-Compression-Molded-PEEK-Compound-30-Fiberglass.php

Physical Properties	Metric	English	Comments
Density	1.56 g/cc	0.0564 lb/in ³	ASTM D792
Filler Content	30 %	30 %	
Crystallinity	30 %	30 %	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	91	91	ASTM D2240
Tensile Strength	89.6 MPa	13000 psi	ASTM D638
Elongation at Break	2.1 %	2.1 %	ASTM D638
Tensile Modulus	8.27 GPa	1200 ksi	ASTM D638
Flexural Strength	145 MPa	21000 psi	ASTM D790
Flexural Modulus	6.89 GPa	1000 ksi	ASTM D790
Izod Impact, Notched	0.395 J/cm	0.740 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	343 °C	649 °F	DSC

Descriptive Properties	Value	Comments
Color	Tan	

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