

Ensinger Tecapeek® XP-107 Compression Molded PEEK Compound, 25% Carbon Fiber

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-107-Compression-Molded-PEEK-Compound-25-Carbon-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.42 g/cc	0.0513 lb/in ³	ASTM D792
Filler Content	25 %	25 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength	122 MPa	17700 psi	ASTM D638
Elongation at Break	2.0 %	2.0 %	ASTM D638
Flexural Strength	183 MPa	26500 psi	ASTM D790
Flexural Modulus	8.96 GPa	1300 ksi	ASTM D790

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

Descriptive Properties	Value	Comments
Color	Black	

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