

Ensinger Tecapeek® XP-105 Compression Molded PEEK Compound, 15% Graphite Filled

Category : Polymer , Thermoplastic , Polyketone , Polyetheretherketone (PEEK)

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-105-Compression-Molded-PEEK-Compound-15-Graphite-Filled.php

Physical Properties	Metric	English	Comments
Density	1.43 g/cc	0.0517 lb/in ³	ASTM D792
Filler Content	15 %	15 %	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	85	85	ASTM D2240
Tensile Strength	62.1 MPa	9000 psi	ASTM D638
Elongation at Break	1.8 %	1.8 %	ASTM D638
Tensile Modulus	6.41 GPa	930 ksi	ASTM D638
Flexural Strength	93.8 MPa	13600 psi	ASTM D790
Flexural Modulus	5.38 GPa	780 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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