

Ensinger Tecapeek® XP-110 Compression Molded PEEK Compound, 45% Mineral 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-110-Compression-Molded-PEEK-Compound-45-Mineral-Filled.php

Physical Properties	Metric	English	Comments
Density	1.71 g/cc	0.0618 lb/in ³	ASTM D792
Filler Content	45 %	45 %	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	104	104	ASTM D785
Tensile Strength	93.1 MPa	13500 psi	ASTM D638
Elongation at Break	1.9 %	1.9 %	ASTM D638
Flexural Strength	138 MPa	20000 psi	ASTM D790
Flexural Modulus	9.65 GPa	1400 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
CTE, linear	32.6 µm/m-°C	18.1 µin/in-°F	ASTM E831
Thermal Conductivity	0.0663 W/m-K	0.460 BTU-in/hr-ft ² -°F	ASTM C177
Melting Point	343 °C	649 °F	DSC

Descriptive Properties	Value	Comments
Color	Black	

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