

Ensinger Tecapeek® XP-114 Compression Molded PEEK Compound, 40% 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-114-Compression-Molded-PEEK-Compound-40-Carbon-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.44 g/cc	0.0520 lb/in ³	ASTM D792
Filler Content	40 %	40 %	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	123	123	ASTM D785
Hardness, Shore D	89	89	ASTM D2240
Tensile Strength	122 MPa	17700 psi	ASTM D638
Elongation at Break	1.5 %	1.5 %	ASTM D638
Flexural Strength	193 MPa	28000 psi	ASTM D790
Flexural Modulus	11.7 GPa	1700 ksi	ASTM D790
Izod Impact, Notched	0.593 J/cm	1.11 ft-lb/in	ASTM D256

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

Descriptive Properties	Value	Comments
Color	Black	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China