

## Ensinger Tecapeek® XP-106 Compression Molded PEEK Compound, 40% 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. 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-106-Compression-Molded-PEEK-Compound-40-Fiberglass.php](http://www.lookpolymers.com/polymer_Ensinger-Tecapeek-XP-106-Compression-Molded-PEEK-Compound-40-Fiberglass.php)

Physical Properties	Metric	English	Comments
Filler Content	40 %	40 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength	84.1 MPa	12200 psi	ASTM D638
Elongation at Break	1.6 %	1.6 %	ASTM D638
Tensile Modulus	8.27 GPa	1200 ksi	ASTM D638
Flexural Strength	119 MPa	17200 psi	ASTM D790
Flexural Modulus	7.58 GPa	1100 ksi	ASTM D790
Compressive Strength	183 MPa	26600 psi	ASTM D695
Izod Impact, Notched	0.294 J/cm	0.550 ft-lb/in	ASTM D256

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

Descriptive Properties	Value	Comments
Color	Tan	

## Contact Songhan Plastic Technology Co.,Ltd.

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