

## Ensinger Tecapeek® XP-96BST Compression Molded PEEK ST, Unfilled

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

### 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-96BST-Compression-Molded-PEEK-ST-Unfilled.php](http://www.lookpolymers.com/polymer_Ensinger-Tecapeek-XP-96BST-Compression-Molded-PEEK-ST-Unfilled.php)

Physical Properties	Metric	English	Comments
Density	1.33 g/cc	0.0480 lb/in <sup>3</sup>	ASTM D792
Filler Content	0.00 %	0.00 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength	114 MPa	16600 psi	ASTM D638
Elongation at Break	2.6 %	2.6 %	ASTM D638
	4.0 %	4.0 %	Flexural Strain; ASTM D790
Tensile Modulus	5.52 GPa	800 ksi	ASTM D638
Flexural Strength	207 MPa	30000 psi	ASTM D790
Flexural Modulus	6.21 GPa	900 ksi	ASTM D790
Compressive Strength	181 MPa	26300 psi	10% Deformation; ASTM D695
Compressive Modulus	3.79 GPa	550 ksi	ASTM D695
Izod Impact, Notched	0.571 J/cm	1.07 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	386 °C	726 °F	DSC

Descriptive Properties	Value	Comments
Color	Tan	

## **Contact Songhan Plastic Technology Co.,Ltd.**

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