

Ensinger Tecapeek® XP-91BST Compression Molded PEEK ST Compound, 30% Fiberglass, Black Pigmented

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-91BST-Compression-Molded-PEEK-ST-Compound-30-Fiberglass-Black-Pigmented.php

Physical Properties	Metric	English	Comments
Density	1.54 g/cc	0.0556 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	106	106	ASTM D785
Tensile Strength	62.1 MPa	9000 psi	ASTM D638
Elongation at Break	1.0 %	1.0 %	Flexural Strain; ASTM D790
	2.1 %	2.1 %	ASTM D638
Tensile Modulus	3.865 GPa	560.5 ksi	ASTM D638
Flexural Strength	67.6 MPa	9800 psi	ASTM D790
Flexural Modulus	7.93 GPa	1150 ksi	ASTM D790
Compressive Strength	129 MPa	18700 psi	ASTM D695
Compressive Modulus	3.56 GPa	516 ksi	ASTM D695
Izod Impact, Notched	0.112 J/cm	0.210 ft-lb/in	ASTM D256

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