

## Ensinger Tecapeek® XP-95 Compression Molded PEEK Compound, 15% PTFE Filled

Category : Polymer , Thermoplastic , Polyketone , Polyetheretherketone (PEEK) , Polyetheretherketone, PEEK, PTFE-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-95-Compression-Molded-PEEK-Compound-15-PTFE-Filled.php](http://www.lookpolymers.com/polymer_Ensinger-Tecapeek-XP-95-Compression-Molded-PEEK-Compound-15-PTFE-Filled.php)

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in <sup>3</sup>	ASTM D792
Filler Content	15 %	15 %	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	93	93	ASTM D785
Hardness, Shore D	88	88	ASTM D2240
Tensile Strength	79.3 MPa	11500 psi	ASTM D638
Elongation at Break	4.3 %	4.3 %	ASTM D638
	5.0 %	5.0 %	Flexural Strain; ASTM D790
Tensile Modulus	3.79 GPa	550 ksi	ASTM D638
Flexural Strength	134 MPa	19500 psi	ASTM D790
Flexural Modulus	4.34 GPa	630 ksi	ASTM D790
Compressive Strength	<= 221 MPa	<= 32000 psi	ASTM D695
Izod Impact, Notched	0.352 J/cm	0.660 ft-lb/in	ASTM D256
Coefficient of Friction, Dynamic	0.080	0.080	ASTM D3702
Coefficient of Friction, Static	0.17	0.17	ASTM D3702

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

Thermal Properties	Metric	English	Comments
Descriptive Properties		Value	Comments
Color		Tan	

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

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