

Ensinger Tecatron® XP-68 Compression Molded PPS Compound, 25% Fiberglass with Graphite

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS) , Polyphenylene Sulfide (PPS) with 30% Glass Fiber Filler

Material Notes:

Ensinger Special Polymers has over twenty different grades of TECATRON PPS available. Custom formulations can be blended to suit specific applications. Compression molding is amenable to short run production and yields products which are homogenous with low process stress. TECATRON PPS is a highly crystalline high-temperature thermoplastic with an excellent balance of cost, temperature resistance, strength, chemical resistance and flame retardance. TECATRON PPS is often used when long-term high-temperature performance and dimensional stability are a must, even in the presence of aggressive chemicals. Applications: Fuel

Injectors Manifolds Pumps Pistons Gears V-Packing Gaskets Bearings Information provided by Ensinger Special Polymers, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ensinger-Tecatron-XP-68-Compression-Molded-PPS-Compound-25-Fiberglass-with-Graphite.php

Physical Properties	Metric	English	Comments
Density	1.69 g/cc	0.0611 lb/in ³	ASTM D792
Filler Content	25 %	25 %	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	86	86	ASTM D2240
Tensile Strength	33.1 MPa	4800 psi	ASTM D638
Elongation at Break	0.50 %	0.50 %	ASTM D638
Tensile Modulus	8.27 GPa	1200 ksi	ASTM D638
Flexural Strength	53.1 MPa	7700 psi	ASTM D790
Flexural Modulus	7.58 GPa	1100 ksi	ASTM D790
Izod Impact, Notched	0.272 J/cm	0.510 ft-lb/in	ASTM D256

Descriptive Properties	Value	Comments
Color	Black	

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