

Ensinger Tecatron® XP-88 Compression Molded PPS Compound, with 10% Graphite, 15% PTFE and 15% Carbon Fiber

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS) , Polyphenylene Sulfide (PPS) with 20% Carbon Fiber Filler , Polyphenylene Sulfide (PPS) with PTFE 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-88-Compression-Molded-PPS-Compound-with-10-Graphite-15-PTFE-and-15-Carbon-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.51 g/cc	0.0546 lb/in ³	ASTM D792
Filler Content	40 %	40 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength	42.7 MPa	6200 psi	ASTM D638
Elongation at Break	0.60 %	0.60 %	ASTM D638
Flexural Strength	62.1 MPa	9000 psi	ASTM D790
Flexural Modulus	8.96 GPa	1300 ksi	ASTM D790

Descriptive Properties	Value	Comments
Color	Black	

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