

Ensinger Tecatron® XP-79 Compression Molded PPS Compound, 70% PTFE Filled Seal Material

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS) , 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-79-Compression-Molded-PPS-Compound-70-PTFE-Filled-Seal-Material.php

Physical Properties	Metric	English	Comments
Density	2.03 g/cc	0.0733 lb/in ³	ASTM D792
Filler Content	70 %	70 %	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	64	64	ASTM D2240
Tensile Strength	11.0 MPa	1600 psi	ASTM D638
Elongation at Break	8.0 %	8.0 %	Flexural Strain; ASTM D790
	68 %	68 %	ASTM D638
Tensile Modulus	1.65 GPa	240 ksi	ASTM D638
Flexural Strength	20.0 MPa	2900 psi	ASTM D790
Flexural Modulus	1.31 GPa	190 ksi	ASTM D790

Descriptive Properties	Value	Comments
Color	Gray	

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