

Ensinger Tecatron® XP-86 Compression Molded PPS Compound, with 40% Carbon Fiber

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS) , Polyphenylene Sulfide (PPS) with 40% Carbon 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-86-Compression-Molded-PPS-Compound-with-40-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
Hardness, Rockwell M	99	99	ASTM D785
Tensile Strength	77.2 MPa	11200 psi	ASTM D638
Elongation at Break	1.1 %	1.1 %	ASTM D638
	1.2 %	1.2 %	Flexural Strain; ASTM D790
Tensile Modulus	12.4 GPa	1800 ksi	ASTM D638
Flexural Strength	126 MPa	18300 psi	ASTM D790
Flexural Modulus	11.0 GPa	1600 ksi	ASTM D790
Compressive Strength	169 MPa	24500 psi	10% Deformation; ASTM D695
Compressive Modulus	4.83 GPa	700 ksi	ASTM D695
Izod Impact, Notched	0.278 J/cm	0.520 ft-lb/in	ASTM D256

Descriptive Properties	Value	Comments
Color	Black	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China