

## Ensinger Tecatron® XP-87 Compression Molded PPS Compound, 20% Carbon Fiber

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS) , Polyphenylene Sulfide (PPS) with 20% 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-87-Compression-Molded-PPS-Compound-20-Carbon-Fiber.php](http://www.lookpolymers.com/polymer_Ensinger-Tecatron-XP-87-Compression-Molded-PPS-Compound-20-Carbon-Fiber.php)

Physical Properties	Metric	English	Comments
Density	1.42 g/cc	0.0513 lb/in <sup>3</sup>	ASTM D792
Filler Content	20 %	20 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength	49.6 MPa	7200 psi	ASTM D638
Elongation at Break	0.70 %	0.70 %	ASTM D638
	1.2 %	1.2 %	Flexural Strain; ASTM D790
Tensile Modulus	8.27 GPa	1200 ksi	ASTM D638
Flexural Strength	92.4 MPa	13400 psi	ASTM D790
Flexural Modulus	8.27 GPa	1200 ksi	ASTM D790
Compressive Strength	193 MPa	28000 psi	10% Deformation; ASTM D695
Compressive Modulus	3.65 GPa	530 ksi	ASTM D695
Izod Impact, Notched	0.614 J/cm	1.15 ft-lb/in	ASTM D256

Electrical Properties	Metric	English	Comments
Surface Resistance	<= 10000 ohm	<= 10000 ohm	ASTM D257

Descriptive Properties	Value	Comments
Color	Black	

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

**Website : [www.lookpolymers.com](http://www.lookpolymers.com)**

**Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)**

**Tel : +86 021-51131842**

**Mobile : +86 13061808058**

**Skype : lookpolymers**

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