

## Ensinger Tecatron® XP-74 Compression Molded PPS Compound, with 30% Carbon Fiber and 8% PTFE

**Category :** Polymer , Thermoplastic , Polyphenylene Sulfide (PPS) , Polyphenylene Sulfide (PPS) with 30% 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-74-Compression-Molded-PPS-Compound-with-30-Carbon-Fiber-and-8-PTFE.php](http://www.lookpolymers.com/polymer_Ensinger-Tecatron-XP-74-Compression-Molded-PPS-Compound-with-30-Carbon-Fiber-and-8-PTFE.php)

Physical Properties	Metric	English	Comments
Density	1.57 g/cc	0.0567 lb/in <sup>3</sup>	ASTM D792
Filler Content	38 %	38 %	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	89	89	ASTM D2240
Tensile Strength	46.9 MPa	6800 psi	ASTM D638
Elongation at Break	0.60 %	0.60 %	ASTM D638
	1.0 %	1.0 %	Flexural Strain; ASTM D790
Tensile Modulus	9.65 GPa	1400 ksi	ASTM D638
Flexural Strength	89.6 MPa	13000 psi	ASTM D790
Flexural Modulus	10.3 GPa	1500 ksi	ASTM D790
Compressive Strength	30.3 MPa	4400 psi	ASTM D695
Compressive Modulus	3.65 GPa	530 ksi	ASTM D695
Izod Impact, Notched	0.320 J/cm	0.600 ft-lb/in	ASTM D256

Descriptive Properties	Value	Comments
Color	Black	

## Contact Songhan Plastic Technology Co.,Ltd.

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