

Ensinger Tecatron® XP-61L Compression Molded PPS Compound, 25% Fiberglass and Mineral Filled

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS) , Polyphenylene Sulfide (PPS), Mineral/Glass-Fiber Filled

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-61L-Compression-Molded-PPS-Compound-25-Fiberglass-and-Mineral-Filled.php

Physical Properties	Metric	English	Comments
Density	1.72 g/cc	0.0621 lb/in ³	ASTM D792
Filler Content	25 %	25 %	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	97	97	ASTM D785
Hardness, Shore D	90	90	ASTM D2240
Tensile Strength	42.1 MPa	6100 psi	ASTM D638
Elongation at Break	1.0 %	1.0 %	ASTM D638
Tensile Modulus	8.96 GPa	1300 ksi	ASTM D638
Flexural Strength	66.2 MPa	9600 psi	ASTM D790
Flexural Modulus	6.89 GPa	1000 ksi	ASTM D790
Compressive Strength	117 MPa	17000 psi	ASTM D695
Shear Strength	55.2 MPa	8000 psi	ASTM D732
Izod Impact, Notched	0.149 J/cm	0.280 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	57.6 μm/m-°C	32.0 μin/in-°F	ASTM E831
Heat Distortion Temperature	251 °C	484 °F	ASTM D648

Descriptive Properties	Value	Comments
Color	Dark Brown	

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