

## Oxford Polymers Oxtron PPS-XT-40GF PPS, 40% Glass Reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 20% Glass Fiber Filled

**Material Notes:**

Product Description: Glass Fiber (40% Reinforced), Polyphenylene sulfide injection molding grade based alloy. Processing and Delivery

Form: Pellets and Injection Molding Appearance: Natural off-white, brown or Black Information provided by Oxford Polymers

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Oxford-Polymers-Oxtron-PPS-XT-40GF-PPS-40-Glass-Reinforced.php](http://www.lookpolymers.com/polymer_Oxford-Polymers-Oxtron-PPS-XT-40GF-PPS-40-Glass-Reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.54 g/cc	0.0556 lb/in <sup>3</sup>	ASTM D792
Water Absorption at Saturation	0.0200 %	0.0200 %	ASTM D570
Linear Mold Shrinkage, Flow	0.00300 cm/cm @Thickness 3.17 mm	0.00300 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	159 MPa	23000 psi	ASTM D638
Elongation at Break	1.00 %	1.00 %	ASTM D638
Flexural Strength	221 MPa	32000 psi	ASTM D790
Flexural Modulus	12.4 GPa	1800 ksi	ASTM D790
Izod Impact, Notched	0.747 J/cm @Thickness 3.17 mm	1.40 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	241 °C	465 °F	Unannealed; ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	282 - 321 °C	540 - 610 °F	
Mold Temperature	93.3 - 163 °C	200 - 325 °F	
Drying Temperature	135 °C	275 °F	
Dry Time	4.00 hour	4.00 hour	

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

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