

**Oxford Polymers PPS/66-505-40GF-BK PPS/PA66, 40% Glass Fiber Reinforced**

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 20% Glass Fiber Filled , Nylon 66, 40% Glass Fiber Filled

**Material Notes:**

Product Description: Glass Fiber (40% Reinforced), Polyphenylene sulfide injection molding grade based alloy with Nylon 66 Processing and

Delivery Form: Pellets and Injection Molding Appearance: Black Information provided by Oxford Polymers

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Oxford-Polymers-PPS66-505-40GF-BK-PPSPA66-40-Glass-Fiber-Reinforced.php](http://www.lookpolymers.com/polymer_Oxford-Polymers-PPS66-505-40GF-BK-PPSPA66-40-Glass-Fiber-Reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.55 g/cc	0.0560 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	1.50 %	1.50 %	ASTM D638
Flexural Strength	221 MPa	32000 psi	ASTM D790
Flexural Modulus	12.8 GPa	1850 ksi	ASTM D790
Izod Impact, Notched	0.908 J/cm @Thickness 3.17 mm	1.70 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	238 °C	460 °F	Unannealed; ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	282 - 321 °C	540 - 610 °F	
Mold Temperature	107 - 163 °C	225 - 325 °F	
Drying Temperature	<= 121 °C	<= 250 °F	
Dry Time	4.00 hour	4.00 hour	

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

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