

## Oxford Polymers PPS-30GF-10PTFE-BK PPS, 30% Glass Fiber Reinforced, 10% PTFE

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

### Material Notes:

Product Description: Glass Fiber (30% Reinforced), 10% PTFE, Polyphenylene sulfide injection molding grade 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-PPS-30GF-10PTFE-BK-PPS-30-Glass-Fiber-Reinforced-10-PTFE.php](http://www.lookpolymers.com/polymer_Oxford-Polymers-PPS-30GF-10PTFE-BK-PPS-30-Glass-Fiber-Reinforced-10-PTFE.php)

Physical Properties	Metric	English	Comments
Density	1.60 g/cc	0.0578 lb/in <sup>3</sup>	ASTM D792
Water Absorption at Saturation	0.0200 %	0.0200 %	ASTM D570
Linear Mold Shrinkage, Flow	0.00200 cm/cm @Thickness 3.17 mm	0.00200 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	128 MPa	18500 psi	ASTM D638
Elongation at Break	1.50 %	1.50 %	ASTM D638
Flexural Strength	186 MPa	27000 psi	ASTM D790
Flexural Modulus	10.3 GPa	1500 ksi	ASTM D790
Izod Impact, Notched	0.587 J/cm @Thickness 3.17 mm	1.10 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	10.8 μm/m-°C	6.00 μin/in-°F	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	260 °C	500 °F	Unannealed; ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	293 - 321 °C	560 - 610 °F	
Mold Temperature	135 - 177 °C	275 - 350 °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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