

PolyOne Lubri-Tech™ PS-30GF/ 02S PBT Polyester - 30% Glass Fiber - 2% Silicone (discontinued **)

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 30% Glass Fiber Filled

Material Notes:

Data provided by PolyOne.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Lubri-Tech-PS-30GF-02S-PBT-Polyester-30-Glass-Fiber-2-Silicone-nbspdiscontinued.php

Physical Properties	Metric	English	Comments
Density	1.523 g/cc	0.05502 lb/in ³	ASTM D792
Water Absorption	0.17 %	0.17 %	24 hrs. ASTM D570
Linear Mold Shrinkage	0.0020 - 0.0025 cm/cm @Thickness 3.17 mm	0.0020 - 0.0025 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	103 MPa	14900 psi	ASTM D638
Elongation at Break	1.0 - 3.0 %	1.0 - 3.0 %	ASTM D638
Tensile Modulus	11.0 GPa	1600 ksi	ASTM D638
Flexural Yield Strength	159 MPa	23100 psi	ASTM D790
Flexural Modulus	11.0 GPa	1600 ksi	ASTM D790
Izod Impact, Notched	0.960 - 1.33 J/cm @Thickness 6.35 mm	1.80 - 2.49 ft-lb/in @Thickness 0.250 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	216 °C	421 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	204 °C	399 °F	ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	238 - 271 °C	460 - 520 °F	Stock
Mold Temperature	93.0 - 121 °C	199 - 250 °F	
Drying Temperature	93.0 °C	199 °F	

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