

PolyOne Lubri-Tech™ PS-30GF/10T Polybutylene Terephthalate (PBT), Glass Filled, PTFE Lubricated (discontinued)

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT)

Material Notes:

Description/Features: Glass Fiber Reinforced PTFE Lubricated PolyOne First Choice Information provided by PolyOne Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Lubri-Tech-PS-30GF10T-Polybutylene-Terephthalate-PBT-Glass-Filled-PTFE-Lubricated-nbspdiscontinued.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.62 g/cc	1.62 g/cc	ASTM D792
Water Absorption	0.060 %	0.060 %	24 hr. Immersion; ASTM D570
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	117 MPa	17000 psi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Elongation at Break	3.0 %	3.0 %	Type 1 - Rigids, 0.2 in/min; ASTM D638
Tensile Modulus	7.58 GPa	1100 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	152 MPa	22000 psi	ASTM D790
Flexural Modulus	7.58 GPa	1100 ksi	ASTM D790
Izod Impact, Notched	1.28 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	2.40 ft-lb/in @Thickness 0.250 in, Temperature 73.4 °F	Method A, Injection Molded; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	223 °C	433 °F	Annealed, 0.125 in bars; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	217 °C	423 °F	Annealed, 0.125 in bars; ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	243 - 271 °C	470 - 520 °F	Molding
Mold Temperature	65.6 - 107 °C	150 - 225 °F	
Drying Temperature	82.2 - 104 °C	180 - 220 °F	

Processing Properties	Metric	English	Comments
Descriptive Properties		Value	Comments
Product Form		Pellets	

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