

PolyOne Lubri-Tech™ PS-30GF/02S Polybutylene Terephthalate (PBT), Glass Filled, PTFE/Silicone Lubricated (dis

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

Material Notes:

Description/Features:Glass Fiber ReinforcedPTFE/Silicone LubricatedPolyOne First ChoiceInformation provided by PolyOne Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Lubri-Tech-PS-30GF02S-Polybutylene-Terephthalate-PBT-Glass-Filled-PTFESilicone-Lubricated-nbspdis.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.523 g/cc	1.523 g/cc	ASTM D792
Water Absorption	0.17 %	0.17 %	24 hr. Immersion; ASTM D570
Linear Mold Shrinkage	0.0020 - 0.0025 cm/cm	0.0020 - 0.0025 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	103 MPa	15000 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	11.0 GPa	1600 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	159 MPa	23000 psi	ASTM D790
Flexural Modulus	11.0 GPa	1600 ksi	ASTM D790
Izod Impact, Notched	1.33 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	2.50 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)	216 °C	420 °F	Annealed, 0.125 in bars; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	204 °C	400 °F	Annealed, 0.125 in bars; ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	238 - 271 °C	460 - 520 °F	Molding
Mold Temperature	93.3 - 121 °C	200 - 250 °F	
Drying Temperature	93.3 °C	200 °F	

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