

PolyOne Lubri-Tech™ PS-15GF/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 UL 94 HB (HEM TEST) PolyOne First Choice Information provided by PolyOne Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Lubri-Tech-PS-15GF10T-Polybutylene-Terephthalate-PBT-Glass-Filled-PTFE-Lubricated-nbspdiscontinued.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.49 g/cc	1.49 g/cc	ASTM D792
Water Absorption	0.070 %	0.070 %	24 hr. Immersion; ASTM D570
Linear Mold Shrinkage	0.0040 - 0.0050 cm/cm	0.0040 - 0.0050 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	89.6 MPa	13000 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	4.83 GPa	700 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	124 MPa	18000 psi	ASTM D790
Flexural Modulus	4.83 GPa	700 ksi	ASTM D790
Compressive Strength	62.1 MPa	9000 psi	ASTM D695
Izod Impact, Notched	0.534 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	1.00 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 1.8 MPa (264 psi)	199 °C	390 °F	Annealed, 0.125 in bars; ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	243 - 266 °C	470 - 510 °F	Molding
Mold Temperature	93.3 - 121 °C	200 - 250 °F	

Drying Temperature Processing Properties	107 °C Metric	225 °F English	Comments
Dry Time	2 hour	2 hour	

Descriptive Properties	Value	Comments
Product Form	Pellets	

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