

LATI Latilub 75/4-15ST G/30 PBT, 30% Glass Fiber Reinforced, Silicone/PTFE Filled

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Glass Fiber + PTFE Filled

Material Notes:

Self-lubricating product based on Polybutylene Terephthalate (PBT). Silicone / PTFE. Glass fibers. Availability: Africa & Middle East; Asia Pacific; Europe; Latin America; North America
Information provided by Lati Industria Termoplastici S.p.A.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LATI-Latilub-754-15ST-G30-PBT-30-Glass-Fiber-Reinforced-SiliconePTFE-Filled.php

Physical Properties	Metric	English	Comments
Density	1.61 g/cc	0.0582 lb/in ³	
Linear Mold Shrinkage, Flow	0.0035 - 0.0060 cm/cm	0.0035 - 0.0060 in/in	
Linear Mold Shrinkage, Transverse	0.0105 - 0.0135 cm/cm	0.0105 - 0.0135 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	100 MPa	14500 psi	
Elongation at Break	2.7 %	2.7 %	
Tensile Modulus	8.80 GPa	1280 ksi	
Charpy Impact Unnotched	3.00 J/cm ²	14.3 ft-lb/in ²	
Charpy Impact, Notched	0.700 J/cm ²	3.33 ft-lb/in ²	
Coefficient of Friction, Dynamic	0.11	0.11	
Coefficient of Friction, Static	0.16	0.16	
K (wear) Factor	14.0 x 10 ⁻⁸ mm ³ /N-M	6.95 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	220 Â°C	428 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	210 Â°C	410 Â°F	
Vicat Softening Point	210 Â°C @Load 5.00 kg	410 Â°F @Load 11.0 lb	

Processing Properties	Metric	English	Comments
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Processing Properties	Metric	English	Comments
Mold Temperature	70.0 - 90.0 Â°C	158 - 194 Â°F	
Drying Temperature	100 - 120 Â°C @Time 10800 sec	212 - 248 Â°F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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