

LATI Latilub 66-15ST G/30 PA66, 30% Glass Fiber Reinforced, Silicone/PTFE Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Glass Fiber/PTFE Filled

Material Notes:

Self-lubricating product based on Polyamide 66 (PA66). 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-66-15ST-G30-PA66-30-Glass-Fiber-Reinforced-SiliconePTFE-Filled.php

Physical Properties	Metric	English	Comments
Density	1.45 g/cc	0.0524 lb/in ³	
Linear Mold Shrinkage, Flow	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	
Linear Mold Shrinkage, Transverse	0.0090 - 0.012 cm/cm	0.0090 - 0.012 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	150 MPa	21800 psi	
Elongation at Break	2.5 %	2.5 %	
Tensile Modulus	9.40 GPa	1360 ksi	
Charpy Impact Unnotched	4.50 J/cm ²	21.4 ft-lb/in ²	
Charpy Impact, Notched	0.800 J/cm ²	3.81 ft-lb/in ²	
Coefficient of Friction, Dynamic	0.25	0.25	
Coefficient of Friction, Static	0.28	0.28	
K (wear) Factor	17.0 x 10 ⁻⁸ mm ³ /N-M	8.44 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	260 °C	500 °F	
Deflection Temperature at 1.8 MPa (264 psi)	250 °C	482 °F	
Vicat Softening Point	250 °C @Load 5.00 kg	482 °F @Load 11.0 lb	

Processing Properties	Metric	English	Comments
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Melt Temperature Processing Properties	275 - 300 °C Metric	527 - 572 °F English	Comments
Mold Temperature	70.0 - 100 °C	158 - 212 °F	
Drying Temperature	90.0 - 100 °C @Time 10800 sec	194 - 212 °F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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