

LATI Latilub 66-01M G/50 PA66, 50% Glass Fiber Reinforced, Molybdenum disulphide Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Glass Fiber/MoS2 Filled

Material Notes:

Self-lubricating product based on Polyamide 66 (PA66). Molybdenum disulphide. 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-66-01M-G50-PA66-50-Glass-Fiber-Reinforced-Molybdenum-disulphide-Filled.php

Physical Properties	Metric	English	Comments
Density	1.59 g/cc	0.0574 lb/in ³	
Linear Mold Shrinkage, Flow	0.0030 - 0.0060 cm/cm	0.0030 - 0.0060 in/in	
Linear Mold Shrinkage, Transverse	0.0065 - 0.0095 cm/cm	0.0065 - 0.0095 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	220 MPa	31900 psi	
Elongation at Break	2.5 %	2.5 %	
Tensile Modulus	15.5 GPa	2250 ksi	
Charpy Impact Unnotched	6.50 J/cm ²	30.9 ft-lb/in ²	
Charpy Impact, Notched	1.00 J/cm ²	4.76 ft-lb/in ²	
Coefficient of Friction, Dynamic	0.39	0.39	
Coefficient of Friction, Static	0.46	0.46	
K (wear) Factor	24.0 x 10 ⁻⁸ mm ³ /N-M	11.9 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	265 Â°C	509 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	260 Â°C	500 Â°F	
Vicat Softening Point	260 Â°C @Load 5.00 kg	500 Â°F @Load 11.0 lb	

Processing Properties	Metric	English	Comments
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Melt Temperature Processing Properties	280 - 310 Â°C Metric	536 - 590 Â°F English	Comments
Mold Temperature	70.0 - 100 Â°C	158 - 212 Â°F	
Drying Temperature	90.0 - 100 Â°C @Time 10800 sec	194 - 212 Â°F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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