

LATI Latilub 66-01M G/15 PA66, 15% 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-G15-PA66-15-Glass-Fiber-Reinforced-Molybdenum-disulphide-Filled.php

Physical Properties	Metric	English	Comments
Density	1.24 g/cc	0.0448 lb/in ³	
Linear Mold Shrinkage, Flow	0.0045 - 0.0075 cm/cm	0.0045 - 0.0075 in/in	
Linear Mold Shrinkage, Transverse	0.0095 - 0.0125 cm/cm	0.0095 - 0.0125 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	110 MPa	16000 psi	
Elongation at Break	3.8 %	3.8 %	
Tensile Modulus	6.00 GPa	870 ksi	
Charpy Impact Unnotched	3.00 J/cm ²	14.3 ft-lb/in ²	
Charpy Impact, Notched	0.400 J/cm ²	1.90 ft-lb/in ²	
Coefficient of Friction, Dynamic	0.32	0.32	
Coefficient of Friction, Static	0.36	0.36	
K (wear) Factor	44.0 x 10 ⁻⁸ mm ³ /N-M	21.8 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	250 Â°C	482 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	235 Â°C	455 Â°F	
Vicat Softening Point	250 Â°C @Load 5.00 kg	482 Â°F @Load 11.0 lb	
Flammability, UL94	HB @Thickness 0.750 mm	HB @Thickness 0.0295 in	

Processing Properties	Metric	English	Comments
Melt Temperature	270 - 300 Â°C	518 - 572 Â°F	
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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