

LATI Latilub 66-10T G/10 PA66, 10% Glass Fiber Reinforced, PTFE Filled

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

Material Notes:

Self-lubricating product based on Polyamide 66 (PA66). 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-66-10T-G10-PA66-10-Glass-Fiber-Reinforced-PTFE-Filled.php

Physical Properties	Metric	English	Comments
Density	1.26 g/cc	0.0455 lb/in ³	
Linear Mold Shrinkage, Flow	0.0060 - 0.0080 cm/cm	0.0060 - 0.0080 in/in	
Linear Mold Shrinkage, Transverse	0.011 - 0.014 cm/cm	0.011 - 0.014 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	95.0 MPa	13800 psi	
Elongation at Break	4.2 %	4.2 %	
Tensile Modulus	4.80 GPa	696 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	0.24	0.24	
Coefficient of Friction, Static	0.29	0.29	
K (wear) Factor	23.0 x 10 ⁻⁸ mm ³ /N-M	11.4 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	255 Å°C	491 Å°F	
Deflection Temperature at 1.8 MPa (264 psi)	235 Å°C	455 Å°F	
Vicat Softening Point	245 Å°C @Load 5.00 kg	473 Å°F @Load 11.0 lb	

Processing Properties	Metric	English	Comments
Melt Temperature	275 - 300 Å°C	527 - 572 Å°F	

Mold Temperature Processing Properties	70.0 - 100 Â°C Metric	158 - 212 Â°F English	Comments
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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