

LATI Latilub 66-20T G/40 PA66, 40% 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-66-20T-G40-PA66-40-Glass-Fiber-Reinforced-PTFE-Filled.php

Physical Properties	Metric	English	Comments
Density	1.65 g/cc	0.0596 lb/in ³	
Linear Mold Shrinkage, Flow	0.0035 - 0.0060 cm/cm	0.0035 - 0.0060 in/in	
Linear Mold Shrinkage, Transverse	0.0075 - 0.0105 cm/cm	0.0075 - 0.0105 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	170 MPa	24700 psi	
Elongation at Break	2.0 %	2.0 %	
Tensile Modulus	13.0 GPa	1890 ksi	
Charpy Impact Unnotched	5.00 J/cm ²	23.8 ft-lb/in ²	
Charpy Impact, Notched	1.20 J/cm ²	5.71 ft-lb/in ²	
Coefficient of Friction, Dynamic	0.29	0.29	
Coefficient of Friction, Static	0.35	0.35	
K (wear) Factor	5.10 x 10 ⁻⁸ mm ³ /N-M	2.53 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	270 °C	518 °F	
Deflection Temperature at 1.8 MPa (264 psi)	260 °C	500 °F	
Vicat Softening Point	250 °C @Load 5.00 kg	482 °F @Load 11.0 lb	

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

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