

LATI Latilub 67-10STE21 G/20 PA66, 20% 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), impact modified. Silicone / PTFE. Toughened. 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-67-10STE21-G20-PA66-20-Glass-Fiber-Reinforced-SiliconePTFE-Filled.php

Physical Properties	Metric	English	Comments
Density	1.26 g/cc	0.0455 lb/in ³	
Linear Mold Shrinkage, Flow	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	
Linear Mold Shrinkage, Transverse	0.010 - 0.013 cm/cm	0.010 - 0.013 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	90.0 MPa	13100 psi	
Elongation at Break	3.5 %	3.5 %	
Elongation at Yield	2.5 %	2.5 %	
Tensile Modulus	6.00 GPa	870 ksi	
Charpy Impact Unnotched	6.50 J/cm ²	30.9 ft-lb/in ²	
Charpy Impact, Notched	1.50 J/cm ²	7.14 ft-lb/in ²	
Coefficient of Friction, Dynamic	0.21	0.21	
Coefficient of Friction, Static	0.25	0.25	
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)	245 °C	473 °F	
Deflection Temperature at 1.8 MPa (264 psi)	205 °C	401 °F	
Vicat Softening Point	230 °C @Load 5.00 kg	446 °F @Load 11.0 lb	

Processing Properties	Metric	English	Comments
Melt Temperature	270 - 300 °C	518 - 572 °F	
Mold Temperature	60.0 - 80.0 °C	140 - 176 °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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