

LATI Latilub 66-20T G/20 PA66, 20% 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-G20-PA66-20-Glass-Fiber-Reinforced-PTFE-Filled.php

Physical Properties	Metric	English	Comments
Density	1.44 g/cc	0.0520 lb/in ³	
Linear Mold Shrinkage, Flow	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 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	120 MPa	17400 psi	
Elongation at Break	2.5 %	2.5 %	
Tensile Modulus	6.30 GPa	914 ksi	
Charpy Impact Unnotched	4.00 J/cm ²	19.0 ft-lb/in ²	
Charpy Impact, Notched	1.00 J/cm ²	4.76 ft-lb/in ²	
Coefficient of Friction, Dynamic	0.22	0.22	
Coefficient of Friction, Static	0.30	0.30	
K (wear) Factor	5.50 x 10 ⁻⁸ mm ³ /N-M	2.73 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)	250 Â°C	482 Â°F	
Vicat Softening Point	250 Â°C @Load 5.00 kg	482 Â°F @Load 11.0 lb	
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	
	HB	HB	

Thermal Properties	Metric @ Thickness 1.50 mm	English @ Thickness 0.0591 in	Comments
	HB	HB	
	@Thickness 0.750 mm	@Thickness 0.0295 in	

Processing Properties	Metric	English	Comments
Melt Temperature	275 - 300 Â°C	527 - 572 Â°F	
Mold Temperature	70.0 - 100 Â°C	158 - 212 Â°F	
Drying Temperature	90.0 - 100 Â°C	194 - 212 Â°F	
	@Time 10800 sec	@Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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