

LATI Latilub 66-20T G/20-V1 PA66, 20% Glass Fiber Reinforced, PTFE Filled, Flame Retardant

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

Material Notes:

Self-lubricating product based on Polyamide 66 (PA66). PTFE. Glass fibers. UL94 V-1 classified, with brominated flame retardants, PBB/PBDE free. 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-V1-PA66-20-Glass-Fiber-Reinforced-PTFE-Filled-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.46 g/cc	0.0527 lb/in ³	
Linear Mold Shrinkage, Flow	0.0050 - 0.0065 cm/cm	0.0050 - 0.0065 in/in	
Linear Mold Shrinkage, Transverse	0.0090 - 0.012 cm/cm	0.0090 - 0.012 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	115 MPa	16700 psi	
Elongation at Break	2.5 %	2.5 %	
Tensile Modulus	6.40 GPa	928 ksi	
Charpy Impact Unnotched	3.50 J/cm ²	16.7 ft-lb/in ²	
Charpy Impact, Notched	0.800 J/cm ²	3.81 ft-lb/in ²	
Coefficient of Friction, Dynamic	0.24	0.24	
Coefficient of Friction, Static	0.30	0.30	
K (wear) Factor	6.20 x 10 ⁻⁸ mm ³ /N-M	3.08 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	V-1	V-1	

Thermal Properties	@Thickness 3.00 mm Metric	@Thickness 0.118 in English	Comments
	V-1	V-1	
	@Thickness 1.50 mm	@Thickness 0.0591 in	

Processing Properties	Metric	English	Comments
Melt Temperature	270 - 290 Â°C	518 - 554 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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