

LATI Latilub 66-10T G/30-V0KB1 PA66, 10% Glass Fiber Reinforced, PTFE Filled, Flame Retardant

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. UL94 V-0 classified, with red phosphorous. 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-G30-V0KB1-PA66-10-Glass-Fiber-Reinforced-PTFE-Filled-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.49 g/cc	0.0538 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 - 0.010 cm/cm	0.0075 - 0.010 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	165 MPa	23900 psi	
Elongation at Break	2.9 %	2.9 %	
Tensile Modulus	9.90 GPa	1440 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	0.30	0.30	
Coefficient of Friction, Static	0.35	0.35	
K (wear) Factor	21.0 x 10 ⁻⁸ mm ³ /N-M	10.4 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)	255 Â°C	491 Â°F	
Vicat Softening Point	250 Â°C @Load 5.00 kg	482 Â°F @Load 11.0 lb	
Flammability, UL94	V-0	V-0	

Thermal Properties	@Thickness 3.00 mm Metric	@Thickness 0.118 in English	Comments
	V-0	V-0	
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	V-0	V-0	
	@Thickness 0.750 mm	@Thickness 0.0295 in	
Glow Wire Test	825 Â°C	1520 Â°F	GWIT
	@Thickness 1.00 mm	@Thickness 0.0394 in	
	825 Â°C	1520 Â°F	GWIT
	@Thickness 2.00 mm	@Thickness 0.0787 in	
	960 Â°C	1760 Â°F	GWFI/GWT
	@Thickness 1.00 mm	@Thickness 0.0394 in	
	960 Â°C	1760 Â°F	GWFI/GWT
	@Thickness 2.00 mm	@Thickness 0.0787 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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