

LATI Latilub 87/28-12T G/20 PC, 20% Glass Fiber Reinforced, PTFE Filled

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, Glass + PTFE Filled

Material Notes:

Self-lubricating product based on Polycarbonate (PC). 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-8728-12T-G20-PC-20-Glass-Fiber-Reinforced-PTFE-Filled.php

Physical Properties	Metric	English	Comments
Density	1.43 g/cc	0.0517 lb/in ³	
Linear Mold Shrinkage, Flow	0.0025 - 0.0045 cm/cm	0.0025 - 0.0045 in/in	
Linear Mold Shrinkage, Transverse	0.0045 - 0.0065 cm/cm	0.0045 - 0.0065 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	85.0 MPa	12300 psi	
Elongation at Break	2.5 %	2.5 %	
Tensile Modulus	5.70 GPa	827 ksi	
Charpy Impact Unnotched	6.00 J/cm ²	28.6 ft-lb/in ²	
Charpy Impact, Notched	1.50 J/cm ²	7.14 ft-lb/in ²	
Coefficient of Friction, Dynamic	0.20	0.20	
Coefficient of Friction, Static	0.26	0.26	
K (wear) Factor	15.0 x 10 ⁻⁸ mm ³ /N-M	7.45 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	145 Â°C	293 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	140 Â°C	284 Â°F	
Vicat Softening Point	150 Â°C	302 Â°F	
	@Load 5.00 kg	@Load 11.0 lb	
Flammability, UL94	HB	HB	
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	V-1	V-1	

Thermal Properties	Metric	English	Comments
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@Thickness 3.00 mm

@Thickness 0.118 in

Processing Properties	Metric	English	Comments
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Melt Temperature

275 - 320 Å°C

527 - 608 Å°F

Mold Temperature

80.0 - 110 Å°C

176 - 230 Å°F

Drying Temperature

110 - 130 Å°C

230 - 266 Å°F

@Time 10800 sec

@Time 3.00 hour

Descriptive Properties	Value	Comments
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ISO Shrinkage - Pressure

60 MPa

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