

LATI Latilub 82-05GR G/30 PA12, 30% Glass Fiber Reinforced, Graphite Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 12 , Nylon 12, 30% Glass Fiber Filled

Material Notes:

Self-lubricating product based on Polyamide 12 (PA12). Graphite. 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-82-05GR-G30-PA12-30-Glass-Fiber-Reinforced-Graphite-Filled.php

Physical Properties	Metric	English	Comments
Density	1.28 g/cc	0.0462 lb/in ³	
Linear Mold Shrinkage, Flow	0.0035 - 0.0065 cm/cm	0.0035 - 0.0065 in/in	
Linear Mold Shrinkage, Transverse	0.0075 - 0.0105 cm/cm	0.0075 - 0.0105 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	80.0 MPa	11600 psi	
Elongation at Break	2.0 %	2.0 %	
Tensile Modulus	7.80 GPa	1130 ksi	
Charpy Impact Unnotched	6.50 J/cm ²	30.9 ft-lb/in ²	
Charpy Impact, Notched	0.650 J/cm ²	3.09 ft-lb/in ²	
Coefficient of Friction, Dynamic	0.28	0.28	
Coefficient of Friction, Static	0.32	0.32	
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)	175 Â°C	347 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	165 Â°C	329 Â°F	
Vicat Softening Point	170 Â°C @Load 5.00 kg	338 Â°F @Load 11.0 lb	

Processing Properties	Metric	English	Comments
Melt Temperature	210 - 230 Â°C	410 - 446 Â°F	

Mold Temperature Processing Properties	60.0 - 80.0 Å°C Metric	140 - 176 Å°F English	Comments
Drying Temperature	70.0 - 90.0 Å°C @Time 10800 sec	158 - 194 Å°F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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