

LATI Laticonther 62 CPG/750 PA 6, Glass Fiber Reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

High thermal conductivity product based on Polyamide 6 (PA6). Special filler. 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-Laticonther-62-CPG750-PA-6-Glass-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Density	2.56 g/cc	0.0925 lb/in ³	
Linear Mold Shrinkage, Flow	0.0035 - 0.0055 cm/cm	0.0035 - 0.0055 in/in	
Linear Mold Shrinkage, Transverse	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	80.0 MPa	11600 psi	
Elongation at Break	1.5 %	1.5 %	
Tensile Modulus	11.4 GPa	1650 ksi	
Charpy Impact Unnotched	2.50 J/cm ²	11.9 ft-lb/in ²	
Charpy Impact, Notched	0.500 J/cm ²	2.38 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	1.70 W/m-K	11.8 BTU-in/hr-ft ² - °F	Longitudinal
Maximum Service Temperature, Air	90.0 °C	194 °F	
Deflection Temperature at 0.46 MPa (66 psi)	215 °C	419 °F	
Deflection Temperature at 1.8 MPa (264 psi)	190 °C	374 °F	
Vicat Softening Point	195 °C @Load 5.00 kg	383 °F @Load 11.0 lb	

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+10 ohm	1.00e+10 ohm	

Processing Properties	Metric	English	Comments
Melt Temperature	250 - 290 Â°C	482 - 554 Â°F	
Mold Temperature	80.0 - 100 Â°C	176 - 212 Â°F	
Drying Temperature	90.0 - 100 Â°C @Time 10800 sec	194 - 212 Â°F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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