

LATI Laticonther 87/28 GR/50 PC, 50% Graphite Reinforced

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

High thermal conductivity product based on Polycarbonate (PC). Graphite. 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-8728-GR50-PC-50-Graphite-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.47 g/cc	0.0531 lb/in ³	
Linear Mold Shrinkage, Flow	0.0045 - 0.0070 cm/cm	0.0045 - 0.0070 in/in	
Linear Mold Shrinkage, Transverse	0.0050 - 0.0075 cm/cm	0.0050 - 0.0075 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	35.0 MPa	5080 psi	
Elongation at Break	0.80 %	0.80 %	
Tensile Modulus	7.00 GPa	1020 ksi	
Charpy Impact Unnotched	0.800 J/cm ²	3.81 ft-lb/in ²	
Charpy Impact, Notched	0.400 J/cm ²	1.90 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	10.0 W/m-K	69.4 BTU-in/hr-ft ² - °F	Longitudinal
Deflection Temperature at 0.46 MPa (66 psi)	140 °C	284 °F	
Deflection Temperature at 1.8 MPa (264 psi)	135 °C	275 °F	
Vicat Softening Point	145 °C @Load 5.00 kg	293 °F @Load 11.0 lb	

Electrical Properties	Metric	English	Comments
Surface Resistance	8000 ohm	8000 ohm	

Processing Properties	Metric	English	Comments
Melt Temperature	280 - 300 °C	536 - 572 °F	

Processing Properties	Metric	English	Comments
Mold Temperature	100 - 120 Â°C	212 - 248 Â°F	
Drying Temperature	120 - 130 Â°C @Time 10800 sec	248 - 266 Â°F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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