

LATI Laticonther 75 GR/50 PBT, 50% Graphite Reinforced

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT)

Material Notes:

High thermal conductivity product based on Polyamide 6 (PA6). Graphite.Availability: Africa & Middle East; Asia Pacific; Europe; Latin America; North AmericaInformation provided by Lati Industria Termoplastici S.p.A.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LATI-Laticonther-75-GR50-PBT-50-Graphite-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.58 g/cc	0.0571 lb/in ³	
Linear Mold Shrinkage, Flow	0.0050 - 0.0080 cm/cm	0.0050 - 0.0080 in/in	
Linear Mold Shrinkage, Transverse	0.0060 - 0.010 cm/cm	0.0060 - 0.010 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	45.0 MPa	6530 psi	
Elongation at Break	0.80 %	0.80 %	
Tensile Modulus	10.2 GPa	1480 ksi	
Charpy Impact Unnotched	0.700 J/cm ²	3.33 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)	180 °C	356 °F	
Deflection Temperature at 1.8 MPa (264 psi)	80.0 °C	176 °F	
Vicat Softening Point	190 °C @Load 5.00 kg	374 °F @Load 11.0 lb	

Electrical Properties	Metric	English	Comments
Surface Resistance	1000 ohm	1000 ohm	

Processing Properties	Metric	English	Comments
Melt Temperature	230 - 260 °C	446 - 500 °F	

Mold Temperature Processing Properties	80.0 - 100 °C Metric	176 - 212 °F English	Comments
Drying Temperature	120 - 130 °C @Time 10800 sec	248 - 266 °F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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