

LATI Latiohm 87/28-07 CNT PC

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

Semiconductive/dissipative product based on Polycarbonate (PC). Carbon nanotubes. 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-Latiohm-8728-07-CNT-PC.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in ³	
Linear Mold Shrinkage, Flow	0.0055 - 0.0075 cm/cm	0.0055 - 0.0075 in/in	
Linear Mold Shrinkage, Transverse	0.0060 - 0.0075 cm/cm	0.0060 - 0.0075 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	50.0 MPa	7250 psi	
Elongation at Break	25 %	25 %	
Elongation at Yield	5.0 %	5.0 %	
Tensile Modulus	2.50 GPa	363 ksi	
Charpy Impact Unnotched	7.50 J/cm ²	35.7 ft-lb/in ²	
Charpy Impact, Notched	0.800 J/cm ²	3.81 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	130 Â°C	266 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	125 Â°C	257 Â°F	
Vicat Softening Point	140 Â°C @Load 5.00 kg	284 Â°F @Load 11.0 lb	

Electrical Properties	Metric	English	Comments
Volume Resistivity	9.00e+7 ohm-cm	9.00e+7 ohm-cm	
Surface Resistance	9.00e+7 ohm	9.00e+7 ohm	

Processing Properties	Metric	English	Comments
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Melt Temperature Processing Properties	265 - 300 Â°C Metric	509 - 572 Â°F English	Comments
Mold Temperature	90.0 - 110 Â°C	194 - 230 Â°F	
Drying Temperature	110 - 130 Â°C @Time 10800 sec	230 - 266 Â°F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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