

LATI Latiohm 83-07 PD11 CNT PA12, Impact Modified

Category : Polymer , Thermoplastic , Nylon , Nylon 12

Material Notes:

Semiconductive/dissipative product based on Polyamide 12 (PA12), impact modified. 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-83-07-PD11-CNT-PA12-Impact-Modified.php

Physical Properties	Metric	English	Comments
Density	1.10 g/cc	0.0397 lb/in ³	
Linear Mold Shrinkage, Flow	0.0080 - 0.012 cm/cm	0.0080 - 0.012 in/in	
Linear Mold Shrinkage, Transverse	0.0080 - 0.012 cm/cm	0.0080 - 0.012 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	35.0 MPa	5080 psi	
Elongation at Break	85 %	85 %	
Elongation at Yield	20 %	20 %	
Tensile Modulus	1.10 GPa	160 ksi	
Charpy Impact Unnotched	NB	NB	
Charpy Impact, Notched	7.50 J/cm ²	35.7 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	100 Â°C	212 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	40.0 Â°C	104 Â°F	
Vicat Softening Point	120 Â°C @Load 5.00 kg	248 Â°F @Load 11.0 lb	

Electrical Properties	Metric	English	Comments
Volume Resistivity	7.00e+7 ohm-cm	7.00e+7 ohm-cm	
Surface Resistance	1.00e+7 ohm	1.00e+7 ohm	

Processing Properties	Metric	English	Comments
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Melt Temperature Processing Properties	210 - 240 Â°C Metric	410 - 464 Â°F English	Comments
Mold Temperature	40.0 - 50.0 Â°C	104 - 122 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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