

LATI Latiohm 75/4-10 CNT PBT

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

Material Notes:

Semiconductive/dissipative product based on Polybutylene Terephthalate (PBT). 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-754-10-CNT-PBT.php

Physical Properties	Metric	English	Comments
Density	1.325 g/cc	0.04787 lb/in ³	
Linear Mold Shrinkage, Flow	0.017 - 0.020 cm/cm	0.017 - 0.020 in/in	
Linear Mold Shrinkage, Transverse	0.017 - 0.020 cm/cm	0.017 - 0.020 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	60.0 MPa	8700 psi	
Elongation at Break	10 %	10 %	
Tensile Modulus	2.90 GPa	421 ksi	
Charpy Impact Unnotched	9.00 J/cm ²	42.8 ft-lb/in ²	
Charpy Impact, Notched	0.250 J/cm ²	1.19 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	170 Â°C	338 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	70.0 Â°C	158 Â°F	
Vicat Softening Point	180 Â°C @Load 5.00 kg	356 Â°F @Load 11.0 lb	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+8 ohm-cm	1.00e+8 ohm-cm	
Surface Resistance	1.00e+8 ohm	1.00e+8 ohm	

Processing Properties	Metric	English	Comments
Melt Temperature	240 - 260 Â°C	464 - 500 Â°F	

Mold Temperature Processing Properties	60.0 - 85.0 Å°C Metric	140 - 185 Å°F English	Comments
Drying Temperature	120 - 130 Å°C @Time 10800 sec	248 - 266 Å°F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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