

LATI Latiohm 73/23-10 CNT POM

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, Unreinforced

Material Notes:

Semiconductive/dissipative product based on Polyoxymethylene (POM). 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-7323-10-CNT-POM.php

Physical Properties	Metric	English	Comments
Density	1.419 g/cc	0.05126 lb/in ³	
Linear Mold Shrinkage, Flow	0.020 - 0.0235 cm/cm	0.020 - 0.0235 in/in	
Linear Mold Shrinkage, Transverse	0.0205 - 0.0225 cm/cm	0.0205 - 0.0225 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	5.50 J/cm ²	26.2 ft-lb/in ²	
Charpy Impact, Notched	0.400 J/cm ²	1.90 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	150 Â°C	302 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	90.0 Â°C	194 Â°F	
Vicat Softening Point	150 Â°C @Load 5.00 kg	302 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	3.00e+7 ohm	3.00e+7 ohm	

Processing Properties	Metric	English	Comments
Melt Temperature	180 - 200 Â°C	356 - 392 Â°F	

Mold Temperature Processing Properties	60.0 - 80.0 Â°C Metric	140 - 176 Â°F English	Comments
Drying Temperature	80.0 - 100 Â°C @Time 10800 sec	176 - 212 Â°F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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