

LATI Latiohm 88/10-06 CNT PEEK

Category : Polymer , Thermoplastic , Polyketone , Polyetheretherketone (PEEK) , Polyetheretherketone, PEEK, Unreinforced

Material Notes:

Semiconductive/dissipative product based on Polyetheretherketone (PEEK). 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-8810-06-CNT-PEEK.php

Physical Properties	Metric	English	Comments
Density	1.32 g/cc	0.0477 lb/in ³	
Linear Mold Shrinkage, Flow	0.0115 - 0.0155 cm/cm	0.0115 - 0.0155 in/in	
Linear Mold Shrinkage, Transverse	0.012 - 0.0155 cm/cm	0.012 - 0.0155 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	90.0 MPa	13100 psi	
Elongation at Break	35 %	35 %	
Elongation at Yield	5.0 %	5.0 %	
Tensile Modulus	4.00 GPa	580 ksi	
Charpy Impact Unnotched	4.00 J/cm ²	19.0 ft-lb/in ²	
Charpy Impact, Notched	0.500 J/cm ²	2.38 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	200 Â°C	392 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	160 Â°C	320 Â°F	
Vicat Softening Point	>= 300 Â°C @Load 5.00 kg	>= 572 Â°F @Load 11.0 lb	

Electrical Properties	Metric	English	Comments
Volume Resistivity	15000 ohm-cm	15000 ohm-cm	
Surface Resistance	3000 ohm	3000 ohm	

Processing Properties	Metric	English	Comments
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Melt Temperature Processing Properties	360 - 390 Å°C Metric	680 - 734 Å°F English	Comments
Mold Temperature	160 - 180 Å°C	320 - 356 Å°F	
Drying Temperature	120 - 150 Å°C @Time 10800 sec	248 - 302 Å°F @Time 3.00 hour	

Descriptive Properties	Value	Comments
Electromagnetic reflection	88 dB	
ISO Shrinkage - Pressure	60 MPa	

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