

LATI Latiohm 82-02 PD09 PA12

Category : Polymer , Thermoplastic , Nylon , Nylon 12

Material Notes:

Semiconductive/dissipative product based on Polyamide 12 (PA12). Unfilled. 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-82-02-PD09-PA12.php

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in ³	
Linear Mold Shrinkage, Flow	0.0090 - 0.011 cm/cm	0.0090 - 0.011 in/in	
Linear Mold Shrinkage, Transverse	0.0090 - 0.012 cm/cm	0.0090 - 0.012 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	45.0 MPa	6530 psi	
Elongation at Break	50 %	50 %	
Elongation at Yield	15 %	15 %	
Tensile Modulus	2.10 GPa	305 ksi	
Charpy Impact Unnotched	2.50 J/cm ²	11.9 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)	115 Â°C	239 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	50.0 Â°C	122 Â°F	
Vicat Softening Point	140 Â°C @Load 5.00 kg	284 Â°F @Load 11.0 lb	

Electrical Properties	Metric	English	Comments
Surface Resistance	50 ohm	50 ohm	

Processing Properties	Metric	English	Comments
Melt Temperature	210 - 240 Â°C	410 - 464 Â°F	

Mold Temperature Processing Properties	45.0 - 60.0 Å°C Metric	113 - 140 Å°F English	Comments
Drying Temperature	80.0 - 100 Å°C @Time 10800 sec	176 - 212 Å°F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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