

LATI Latigray 82-05 CX/90 PA 12

Category : Polymer , Thermoplastic , Nylon , Nylon 12

Material Notes:

Radiopaque compound based on Polyamide 12 (PA12). Special mineral filler. 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-Latigray-82-05-CX90-PA-12.php

Physical Properties	Metric	English	Comments
Density	4.26 g/cc	0.154 lb/in ³	
Linear Mold Shrinkage, Flow	0.0070 - 0.0090 cm/cm	0.0070 - 0.0090 in/in	
Linear Mold Shrinkage, Transverse	0.0070 - 0.0090 cm/cm	0.0070 - 0.0090 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	35.0 MPa	5080 psi	
Elongation at Break	0.70 %	0.70 %	
Tensile Modulus	9.70 GPa	1410 ksi	
Charpy Impact Unnotched	1.50 J/cm ²	7.14 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)	160 °C	320 °F	
Deflection Temperature at 1.8 MPa (264 psi)	95.0 °C	203 °F	
Vicat Softening Point	165 °C @Load 5.00 kg	329 °F @Load 11.0 lb	

Electrical Properties	Metric	English	Comments
Volume Resistivity	6500 ohm-cm	6500 ohm-cm	
Surface Resistance	5000 ohm	5000 ohm	

Processing Properties	Metric	English	Comments
Melt Temperature	250 - 270 °C	482 - 518 °F	

Mold Temperature Processing Properties	70.0 - 90.0 °C Metric	158 - 194 °F English	Comments
Drying Temperature	80.0 - 100 °C @Time 10800 sec	176 - 212 °F @Time 3.00 hour	

Descriptive Properties	Value	Comments
Electromagnetic reflection	74 dB	
ISO Shrinkage - Pressure	60 MPa	

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