

LATI Latigray 82-03 CW/95 PA 12, Metallic Reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 12

Material Notes:

Radiopaque compound based on Polyamide 12 (PA12). Metallic 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-82-03-CW95-PA-12-Metallic-Reinforced.php

Physical Properties	Metric	English	Comments
Density	8.58 g/cc	0.310 lb/in ³	
Thickness	340 microns	13.4 mil	80
	660 microns	26.0 mil	120
Linear Mold Shrinkage, Flow	0.0050 - 0.0090 cm/cm	0.0050 - 0.0090 in/in	
Linear Mold Shrinkage, Transverse	0.0050 - 0.0090 cm/cm	0.0050 - 0.0090 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	40.0 MPa	5800 psi	
Elongation at Break	1.2 %	1.2 %	
Tensile Modulus	5.40 GPa	783 ksi	
Charpy Impact Unnotched	2.00 J/cm ²	9.52 ft-lb/in ²	
Charpy Impact, Notched	0.600 J/cm ²	2.86 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	155 Â°C	311 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	105 Â°C	221 Â°F	
Vicat Softening Point	165 Â°C	329 Â°F	
	@Load 5.00 kg	@Load 11.0 lb	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1000 ohm-cm	1000 ohm-cm	
Surface Resistance	100 ohm	100 ohm	

Processing Properties	Metric	English	Comments
Melt Temperature	250 - 270 Â°C	482 - 518 Â°F	
Mold Temperature	70.0 - 90.0 Â°C	158 - 194 Â°F	
Drying Temperature	80.0 - 100 Â°C @Time 10800 sec	176 - 212 Â°F @Time 3.00 hour	

Descriptive Properties	Value	Comments
Electromagnetic reflection	93 dB	
ISO Shrinkage - Pressure	60 MPa	

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