

LATI Latigray 82-04 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-82-04-CX90-PA-12.php

Physical Properties	Metric	English	Comments
Density	4.26 g/cc	0.154 lb/in ³	
Thickness	340 microns	13.4 mil	80
	660 microns	26.0 mil	120
Linear Mold Shrinkage, Flow	0.0070 - 0.011 cm/cm	0.0070 - 0.011 in/in	
Linear Mold Shrinkage, Transverse	0.0070 - 0.011 cm/cm	0.0070 - 0.011 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	35.0 MPa	5080 psi	
Elongation at Break	0.80 %	0.80 %	
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)	170 Â°C	338 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	110 Â°C	230 Â°F	
Vicat Softening Point	165 Â°C	329 Â°F	
	@Load 5.00 kg	@Load 11.0 lb	

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+14 ohm	1.00e+14 ohm	

Processing Properties	Metric	English	Comments
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Melt Temperature Processing Properties	250 - 270 Â°C Metric	482 - 518 Â°F English	Comments
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
ISO Shrinkage - Pressure	60 MPa	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China