

## LATI Latigray 82-03 CW/96 F3 PA 12, Metallic Reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 12

### Material Notes:

Radiopaque compound based on Polyamide 12 (PA12). Metallic filler. Potentially suitable for food/medical contact application.

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-CW96-F3-PA-12-Metallic-Reinforced.php](http://www.lookpolymers.com/polymer_LATI-Latigray-82-03-CW96-F3-PA-12-Metallic-Reinforced.php)

Physical Properties	Metric	English	Comments
Density	10.85 g/cc	0.3920 lb/in <sup>3</sup>	
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	0.80 %	0.80 %	
Tensile Modulus	8.90 GPa	1290 ksi	
Charpy Impact Unnotched	1.00 J/cm <sup>2</sup>	4.76 ft-lb/in <sup>2</sup>	
Charpy Impact, Notched	0.700 J/cm <sup>2</sup>	3.33 ft-lb/in <sup>2</sup>	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	160 Â°C	320 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	105 Â°C	221 Â°F	
Vicat Softening Point	165 Â°C @Load 5.00 kg	329 Â°F @Load 11.0 lb	

Electrical Properties	Metric	English	Comments
Volume Resistivity	800 ohm-cm	800 ohm-cm	
Surface Resistance	80 ohm	80 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
Electromagnetic reflection	95 dB	
ISO Shrinkage - Pressure	60 MPa	

## Contact Songhan Plastic Technology Co.,Ltd.

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