

Latigray 82-04 CX/90

Polyamide 12

LATI S.p.A.

Message:

Radiopaque compound based on Polyamide 12 (PA12).
Special mineral filler.

General Information			
Filler / Reinforcement	Mineral,90% Filler by Weight		
Features	Radiopaque		
Physical	Nominal Value	Unit	Test Method
Density	4.26	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.70 to 1.1	%	
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Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	9700	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	35.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	0.80	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	15	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	170	°C	ISO 75-2/B
1.8 MPa, Unannealed	110	°C	ISO 75-2/A
Vicat Softening Temperature	165	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+14	ohms	ASTM D257
Additional Information	Nominal Value	Unit	
X-Ray Opacity			
HVT at 120 kV	660.0	µm	
HVT at 80 kV	340.0	µm	
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 100	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	250 to 270	°C	
Mold Temperature	60.0 to 80.0	°C	
Injection Rate	Moderate		
NOTE			

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