

Latishield 66-10A G/15

Polyamide 66

LATI S.p.A.

Message:

EMI shielding product based on Polyamide 66 (PA 66).
Steel fibres. Glass fibres.

General Information			
Filler / Reinforcement	Glass Fiber,15% Filler by Weight Steel		
Features	Electromagnetic Shielding (EMI)		
Physical	Nominal Value	Unit	Test Method
Density	1.37	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.95 to 1.3	%	
Flow : 2.00 mm	0.45 to 0.75	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	5900	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	70.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	2.0	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.8	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	15	kJ/m ²	ISO 179/1eU
Notched Izod Impact (23°C, 3.20 mm)	40	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	250	°C	ISO 75-2/B
1.8 MPa, Unannealed	230	°C	ISO 75-2/A
Vicat Softening Temperature	245	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	20	ohms	ASTM D257
Volume Resistivity	2.0E+2	ohms·cm	ASTM D257
Electromagnetic Reflection	93	%	
Injection	Nominal Value	Unit	
Drying Temperature	90.0 to 100	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	270 to 300	°C	
Mold Temperature	80.0 to 100	°C	
Injection Rate	Slow-Moderate		

NOTE

1. at 60 Mpa of cavity pressure

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