

Latishield 66-10A

Polyamide 66

LATI S.p.A.

Message:

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

General Information			
Filler / Reinforcement	Steel		
Features	Electromagnetic Shielding (EMI)		
Physical	Nominal Value	Unit	Test Method
Density	1.24	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	1.3 to 1.6	%	
Flow : 2.00 mm	1.2 to 1.5	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	3800	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	30.0	MPa	ISO 527-2/5
Tensile Strain			ISO 527-2/5
Yield, 23°C	3.0	%	
Break, 23°C	8.0	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.3	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	35	kJ/m ²	ISO 179/1eU
Notched Izod Impact (23°C, 3.20 mm)	45	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	215	°C	ISO 75-2/B
1.8 MPa, Unannealed	75.0	°C	ISO 75-2/A
Vicat Softening Temperature	230	°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	96	%	
Injection	Nominal Value	Unit	
Drying Temperature	90.0 to 100	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	230 to 250	°C	
Mold Temperature	70.0 to 100	°C	
Injection Rate	Slow-Moderate		

NOTE

1. at 60 Mpa of cavity pressure

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