

Latishield 66-08A G/25-V0KB1

Polyamide 66

LATI S.p.A.

Message:

EMI shielding product based on Polyamide 66 (PA 66).
Steel fibres. Glass fibres. UL94 V-0 classified, with red phosphorous.

General Information			
Filler / Reinforcement		Glass Fiber,25% Filler by Weight Steel	
Features		Electromagnetic Shielding (EMI)	
Physical	Nominal Value	Unit	Test Method
Density	1.44	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.95 to 1.2	%	
Flow : 2.00 mm	0.35 to 0.50	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	8300	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	120	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	2.5	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.5	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	50	kJ/m ²	ISO 179/1eU
Notched Izod Impact (23°C, 3.20 mm)	70	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	260	°C	ISO 75-2/B
1.8 MPa, Unannealed	240	°C	ISO 75-2/A
Vicat Softening Temperature	245	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	50	ohms	ASTM D257
Comparative Tracking Index ² (Solution A)	200	V	IEC 60112
Electromagnetic Reflection	92	%	
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.750 mm	HB		
1.50 mm	V-0		
3.00 mm	V-0		
Oxygen Index	28	%	ASTM D2863

Injection	Nominal Value	Unit
Drying Temperature	90.0 to 100	°C
Drying Time	3.0	hr
Processing (Melt) Temp	270 to 290	°C
Mold Temperature	70.0 to 100	°C
Injection Rate	Slow-Moderate	

NOTE

1. at 60 Mpa of cavity pressure
2. Without Surfactant

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