

Latishield 87/28-10A G/20

Polycarbonate

LATI S.p.A.

Message:

EMI shielding product based on Polycarbonate (PC).
Steel fibres. Glass fibres.

General Information			
Filler / Reinforcement		Glass Fiber,20% 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	0.40 to 0.60	%	
Flow : 2.00 mm	0.20 to 0.40	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	5100	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	50.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	3.0	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	8.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	45	kJ/m ²	ISO 179/1eU
Notched Izod Impact (23°C, 3.20 mm)	85	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	145	°C	ISO 75-2/B
1.8 MPa, Unannealed	140	°C	ISO 75-2/A
Vicat Softening Temperature	150	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+2	ohms	ASTM D257
Volume Resistivity	1.0E+3	ohms·cm	ASTM D257
Electromagnetic Reflection	90	%	
Injection	Nominal Value	Unit	
Drying Temperature	110 to 130	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	275 to 320	°C	
Mold Temperature	80.0 to 110	°C	
Injection Rate	Moderate		

NOTE

1. at 60 Mpa of cavity pressure

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