

Latishield 52/5-07A

Polypropylene Homopolymer

LATI S.p.A.

Message:

EMI shielding product based on Polypropylene homopolymer (PPh).
Steel fibres.

General Information			
Filler / Reinforcement	Steel		
Features	Electromagnetic Shielding (EMI)		
	Homopolymer		
Physical	Nominal Value	Unit	Test Method
Density	0.970	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	1.4 to 1.7	%	
Flow : 2.00 mm	1.4 to 1.7	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2000	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/5
Yield, 23°C	75.0	MPa	
Break, 23°C	70.0	MPa	
Tensile Strain			ISO 527-2/5
Yield, 23°C	8.0	%	
Break, 23°C	20	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	40	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	105	°C	ISO 75-2/B
1.8 MPa, Unannealed	60.0	°C	ISO 75-2/A
Vicat Softening Temperature	105	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+2	ohms	ASTM D257
Electromagnetic Reflection	86	%	
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	3.0	hr	

Processing (Melt) Temp	180 to 220	°C
Mold Temperature	20.0 to 40.0	°C
Injection Rate	Slow-Moderate	

NOTE

1. at 60 Mpa of cavity pressure

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