

Latishield 36/SP-05A

Acrylonitrile Butadiene Styrene

LATI S.p.A.

Message:

EMI shielding product based on Acrylonitrile-Butadiene-Styrene copolymer (ABS).

General Information			
Filler / Reinforcement	Steel		
Features	Electromagnetic Shielding (EMI)		
Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.70 to 0.90	%	
Flow : 2.00 mm	0.65 to 0.85	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2400	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	35.0	MPa	ISO 527-2/5
Tensile Strain			ISO 527-2/5
Yield, 23°C	2.0	%	
Break, 23°C	3.5	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	15	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	85.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	80.0	°C	ISO 75-2/A
Vicat Softening Temperature	85.0	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+2	ohms	ASTM D257
Electromagnetic Reflection ²	92	%	
Injection	Nominal Value	Unit	
Drying Temperature	70.0 to 80.0	°C	
Drying Time	3.0 to 5.0	hr	
Processing (Melt) Temp	210 to 250	°C	
Mold Temperature	40.0 to 60.0	°C	
Injection Rate	Slow-Moderate		
NOTE			
1.	60 MPa		
2.	Bekiscan - CP		

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