

Latishield 36/AR-08A G/17-V0E

Acrylonitrile Butadiene Styrene

LATI S.p.A.

Message:

EMI shielding product based on Acrylonitrile-Butadiene-Styrene copolymer (ABS).
Steel fibres. Glass fibres. UL94 V-0 classified, with halogens, PBB/PBDE free.

General Information			
Filler / Reinforcement	Glass Fiber, 17% Filler by Weight		
	Steel		
Additive	Halogen		
Features	Copolymer		
	Electromagnetic Shielding (EMI)		
	Halogenated		

Physical	Nominal Value	Unit	Test Method
Density	1.45	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.55 to 0.75	%	
Flow : 2.00 mm	0.50 to 0.65	%	

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	5300	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	50.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	1.5	%	ISO 527-2/5

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.5	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	8.0	kJ/m ²	ISO 179/1eU
Notched Izod Impact (23°C, 3.20 mm)	50	J/m	ASTM D256A

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	95.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	85.0	°C	ISO 75-2/A
Vicat Softening Temperature	85.0	°C	ISO 306/B50

Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	50	ohms	ASTM D257
Electromagnetic Reflection	82	%	

Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.50 mm	V-0		

3.00 mm	V-0	
Injection	Nominal Value	Unit
Drying Temperature	70.0 to 80.0	°C
Drying Time	3.0	hr
Processing (Melt) Temp	190 to 230	°C
Mold Temperature	50.0 to 70.0	°C
Injection Rate	Slow-Moderate	
NOTE		
1.	at 60 Mpa of cavity pressure	

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