

Latishield 36/AR-10A-V0E

Acrylonitrile Butadiene Styrene

LATI S.p.A.

Message:

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

General Information			
Filler / Reinforcement	Steel		
Additive	Flame Retardant		
Features	Brominated		
	Electromagnetic Shielding (EMI)		
	Flame Retardant		
Physical	Nominal Value	Unit	Test Method
Density	1.29	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.70 to 0.95	%	
Flow : 2.00 mm	0.60 to 0.85	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2700	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	40.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	2.2	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.5	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	10	kJ/m ²	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	10	ohms	ASTM D257
Electromagnetic Reflection ²	95	%	
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.00 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	70.0 to 80.0	°C	
Drying Time	3.0 to 5.0	hr	
Processing (Melt) Temp	180 to 220	°C	

Mold Temperature	40.0 to 60.0	°C
Injection Rate	Slow-Moderate	
NOTE		
1.	60 MPa	
2.	Bekiscan - CP	

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

