

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

LATI INDUSTRIA TERMOPLASTICI SPA - *Acrylonitrile Butadiene Styrene*

General Information

Product Description

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

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Glass Fiber	• Stainless Steel Fiber	
Additive	• Flame Retardant		
Features	• Brominated	• Electromagnetic Shielding (EMI)	• Flame Retardant

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.48	g/cm ³	ISO 1183
Molding Shrinkage ²			ISO 294-4
Across Flow : 0.0787 in	0.45 to 0.65	%	
Flow : 0.0787 in	0.25 to 0.45	%	
Water Absorption ³ (Saturation, 73°F)	0.20	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (73°F)	769000	psi	ISO 527-1/1
Tensile Stress (Break, 73°F)	7250	psi	ISO 527-2/5
Tensile Strain (Break, 73°F)	1.5	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	2.1	ft·lb/in ²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	3.8	ft·lb/in ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	212	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	203	°F	ISO 75-2/A
Vicat Softening Temperature	194	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	1.7E-5	in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	4.2E-5	in/in/°F	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	50	ohms	ASTM D257
Electromagnetic Reflection - Bekiscan - CP	82	%	
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.06 in	V-0		
0.12 in	V-0		

Notes

¹ Typical properties: these are not to be construed as specifications.

² 60 MPa

³ in air

