LATISHIELD 36/SP-08A

LATI INDUSTRIA TERMOPLASTICI SPA - *Acrylonitrile Butadiene Styrene*

General Information

Product Description

EMI shielding product based on Acrylonitrile-Butadiene-Styrene copolymer (ABS). Steel fibres. High dimensional stability. PFAS-free product.

General

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

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.12	g/cm³	ISO 1183
Molding Shrinkage [2]			ISO 294-4
Across Flow : 0.0787 in	0.70 to 0.90	%	
Flow : 0.0787 in	0.65 to 0.85	%	
Water Absorption [3] (Saturation, 73°F)	0.25	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (73°F)	392000	psi	ISO 527-1/1
Tensile Stress (Yield, 73°F)	5800	psi	ISO 527-2/5
Tensile Stress (Break, 73°F)	5800	psi	ISO 527-2/5
Tensile Strain (Yield, 73°F)	2.5	%	ISO 527-2/5
Tensile Strain (Break, 73°F)	4.0	%	ISO 527-2/5
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (73°F)	3.8	ft·lb/in²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	9.5	ft·lb/in²	ISO 179/1eU
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Unannealed)	203	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	176	°F	ISO 75-2/A
Vicat Softening Temperature	203	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	4.4E-5	in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	4.4E-5	in/in/°F	ISO 11359-2
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	40	ohms	ASTM D257
Volume Resistivity	80	ohms·cm	ASTM D257
Electromagnetic Reflection - Bekiscan - CP	95	%	

Notes

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

[2] 60 MPa

[3] in air