

**LATISHIELD 87/28-10A**

 LATI INDUSTRIA TERMOPLASTICI SPA - *Polycarbonate*
**General Information**
**Product Description**

EMI shielding product based on Polycarbonate (PC). Steel fibres. Low smoke density and low toxicity index. High dimensional stability. PFAS-free product.

**General**

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

**Properties <sup>1</sup>**

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.28	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage <sup>2</sup>			ISO 294-4
Across Flow : 0.0787 in	0.70 to 0.85	%	
Flow : 0.0787 in	0.70 to 0.85	%	
Water Absorption <sup>3</sup> (Saturation, 73°F)	0.13	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (73°F)	392000	psi	ISO 527-1/1
Tensile Stress (Break, 73°F)	9430	psi	ISO 527-2/5
Tensile Strain (Break, 73°F)	6.0	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	3.8	ft·lb/in <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	45	ft·lb/in <sup>2</sup>	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	284	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	257	°F	ISO 75-2/A
Vicat Softening Temperature	293	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	3.9E-5	in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	3.9E-5	in/in/°F	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	3.0E+2	ohms	ASTM D257
Electromagnetic Reflection - Bekiscan - CP	95	%	

**Notes**
<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 60 MPa

<sup>3</sup> in air
