LATIOHM 87/28-05 PD01 G/10

LATI INDUSTRIA TERMOPLASTICI SPA - *Polycarbonate*

General Information

Product Description

Semiconductive/dissipative product based on Polycarbonate (PC). Glass 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	• Glass Fiber		
Features	• Antistatic • Electrically Conductive	• High Heat Resistance • PFAS Free	
Uses	• High Temperature Applications		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.27	g/cm³	ISO 1183
Molding Shrinkage [2]			ISO 294-4
Across Flow : 0.0787 in	0.35 to 0.55	%	
Flow : 0.0787 in	0.20 to 0.35	%	
Water Absorption [3] (Saturation, 73°F)	0.11	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (73°F)	1.09E+6	psi	ISO 527-1/1
Tensile Stress (Break, 73°F)	14500	psi	ISO 527-2/5
Tensile Strain (Break, 73°F)	1.8	%	ISO 527-2/5
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (73°F)	5.7	ft·lb/in²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	19	ft·lb/in²	ISO 179/1eU
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Unannealed)	293	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	284	°F	ISO 75-2/A
Vicat Softening Temperature	302	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	1.4E-5	in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	3.1E-5	in/in/°F	ISO 11359-2
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	2.0E+3	ohms	ASTM D257
Volume Resistivity	3.0E+3	ohms·cm	ASTM D257
Flammability	**Nominal Value**	**Unit**	**Test Method**
Glow Wire Ignition Temperature			IEC 60695-2-13
0.04 in	1560	°F	
0.08 in	1560	°F	

Notes

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

[2] 60 MPa

[3] in air