LATIOHM 87/26-06 PD01-V1
LATI INDUSTRIA TERMOPLASTICI SPA - *Polycarbonate*

General Information

Product Description

Semiconductive/dissipative product based on Polycarbonate (PC). Flame retardant, UL94 V-0 class, with brominated flame retardants, free of PBB/PBDE and antimonium trioxide. High dimensional stability.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Additive	• Flame Retardant		
Features	• Antistatic • Brominated	• Electrically Conductive • Flame Retardant	• High Heat Resistance
Uses	• High Temperature Applications		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.26	g/cm³	ISO 1183
Molding Shrinkage [2]			ISO 294-4
Across Flow : 0.0787 in	0.50 to 0.75	%	
Flow : 0.0787 in	0.25 to 0.50	%	
Water Absorption [3] (Saturation, 73°F)	0.14	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (73°F)	1.13E+6	psi	ISO 527-1/1
Tensile Stress (Break, 73°F)	16000	psi	ISO 527-2/5
Tensile Strain (Break, 73°F)	2.4	%	ISO 527-2/5
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (73°F)	2.9	ft·lb/in²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	14	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)	266	°F	ISO 75-2/A
Vicat Softening Temperature	293	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	1.9E-5	in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	3.6E-5	in/in/°F	ISO 11359-2
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+3	ohms	ASTM D257
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating			UL 94
0.030 in		V-0	
0.06 in		V-0	
0.12 in		V-0	
Glow Wire Flammability Index			IEC 60695-2-12
0.04 in	1760	°F	
0.08 in	1760	°F	
Glow Wire Ignition Temperature			IEC 60695-2-13
0.04 in	1700	°F	
0.08 in	1700	°F	
Oxygen Index	30	%	ASTM D2863

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

[2] 60 MPa

[3] in air