

Latiohm 87/26-06 PD01-V1

Polycarbonate

LATI S.p.A.

Message:

Semiconductive/dissipative product based on Polycarbonate (PC).

UL94 V-1 classified, with brominated flame retardants, PBB/PBDE and antimony trioxide free.

General Information			
Additive	Flame Retardant		
Features	Antimony Free		
	Brominated		
	Flame Retardant		
Physical	Nominal Value	Unit	Test Method
Density	1.25	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.50 to 0.75	%	
Flow : 2.00 mm	0.25 to 0.50	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	7800	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	115	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	2.3	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	35	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	140	°C	ISO 75-2/B
1.8 MPa, Unannealed	140	°C	ISO 75-2/A
Vicat Softening Temperature	145	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+4	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.750 mm	V-2		
1.50 mm	V-0		
3.00 mm	V-0		
Glow Wire Flammability Index			IEC 60695-2-12
1.00 mm	960	°C	
2.00 mm	960	°C	

Glow Wire Ignition Temperature			IEC 60695-2-13
1.00 mm	925	°C	
2.00 mm	925	°C	
Oxygen Index	30	%	ASTM D2863
Injection	Nominal Value	Unit	
Drying Temperature	120 to 130	°C	
Drying Time	3.0	hr	
Suggested Max Regrind	15	%	
Processing (Melt) Temp	260 to 280	°C	
Mold Temperature	100 to 120	°C	
Injection Rate	Moderate		
NOTE			
1.	60 MPa		

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