

Latiohm 87/28-07 CNT

Polycarbonate

LATI S.p.A.

Message:

Partially conductive/dissipative compound based on Polycarbonate (PC).
Carbon nanotubes.

General Information			
Filler / Reinforcement	Carbon Nano		
Features	Semi Conductive		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.60 to 0.75	%	
Flow : 2.00 mm	0.55 to 0.75	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2500	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/5
Yield, 23°C	60.0	MPa	
Break, 23°C	50.0	MPa	
Tensile Strain			ISO 527-2/5
Yield, 23°C	5.0	%	
Break, 23°C	25	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	8.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	75	kJ/m ²	ISO 179/1eU
Notched Izod Impact (23°C)	90	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	130	°C	ISO 75-2/B
1.8 MPa, Unannealed	125	°C	ISO 75-2/A
Vicat Softening Temperature	140	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	9.0E+7	ohms	ASTM D257
Volume Resistivity	9.0E+7	ohms · cm	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	110 to 130	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	265 to 300	°C	
Mold Temperature	80.0 to 110	°C	

Injection Rate	Fast
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NOTE

1. at 60 MPa of cavity pressure

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