

Latiohm 66-10 H2 CNT G/35

Polyamide 66

LATI S.p.A.

Message:

Partially conductive/dissipative compound based on Polyamide 66 (PA 66).

Heat stabilised. Carbon nanotubes. Glass fibres.

General Information			
Filler / Reinforcement	Carbon Nano		
	Glass Fiber,35% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
	Semi Conductive		

Physical	Nominal Value	Unit	Test Method
Density	1.41	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	1.0 to 1.4	%	
Flow : 2.00 mm	0.35 to 0.55	%	

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	11500	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	185	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	2.5	%	ISO 527-2/5

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	50	kJ/m ²	ISO 179/1eU
Notched Izod Impact (23°C)	75	J/m	ASTM D256A

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	260	°C	ISO 75-2/B
1.8 MPa, Unannealed	250	°C	ISO 75-2/A
Vicat Softening Temperature	255	°C	ISO 306/B50

Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	3.0E+7	ohms	ASTM D257
Volume Resistivity	2.0E+8	ohms · cm	ASTM D257

Injection	Nominal Value	Unit	
Drying Temperature	90.0 to 100	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	275 to 300	°C	

Mold Temperature	80.0 to 100	°C
Injection Rate	Moderate	
NOTE		
1.	at 60 MPa of cavity pressure	

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