

Latiohm 66-10 H2 CNT CE/10

Polyamide 66

LATI S.p.A.

Message:

Dissipative compound based on Polyamide 66 (PA 66).

Heat stabilised. Carbon nanotubes. Mineral filler.

General Information			
Filler / Reinforcement	Carbon Nano		
	Mineral,10% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Physical	Nominal Value	Unit	Test Method
Density	1.24	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	1.3 to 1.7	%	
Flow : 2.00 mm	1.3 to 1.7	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	5000	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	90.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	2.7	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	1.3	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	20	kJ/m ²	ISO 179/1eU
Notched Izod Impact (23°C)	40	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	235	°C	ISO 75-2/B
1.8 MPa, Unannealed	115	°C	ISO 75-2/A
Vicat Softening Temperature	245	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+8	ohms	ASTM D257
Volume Resistivity	1.0E+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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