

Latiohm 75/4-10 CNT

Polybutylene Terephthalate

LATI S.p.A.

Message:

Dissipative compound based on Polybutylene Terephthalate (PBT).
Carbon nanotubes.

General Information			
Filler / Reinforcement	Carbon Nano		
Physical	Nominal Value	Unit	Test Method
Density	1.33	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	1.7 to 2.0	%	
Flow : 2.00 mm	1.7 to 2.0	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2900	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	60.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	10	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.5	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	90	kJ/m ²	ISO 179/1eU
Notched Izod Impact (23°C)	25	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	195	°C	ISO 75-2/B
1.8 MPa, Unannealed	70.0	°C	ISO 75-2/A
Vicat Softening Temperature	200	°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	Test Method
Drying Temperature	120 to 130	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	240 to 260	°C	
Mold Temperature	70.0 to 110	°C	
Injection Rate	Moderate		
NOTE			

1. at 60 MPa of cavity pressure

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