

LATIOHM 87/28-03 CNT

 LATI INDUSTRIA TERMOPLASTICI SPA - *Polycarbonate*
General Information
Product Description

Semiconductive/dissipative product based on Polycarbonate (PC). Carbon nanotubes. High dimensional stability. PFAS-free product.

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Filler / Reinforcement	• Carbon Nano
Features	• Antistatic • High Heat Resistance • Electrically Conductive • PFAS Free
Uses	• High Temperature Applications

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.01	g/cm ³	ISO 1183
Molding Shrinkage ²			ISO 294-4
Across Flow : 0.0787 in	0.70 to 0.90	%	
Flow : 0.0787 in	0.70 to 0.90	%	
Water Absorption ³ (Saturation, 73°F)	0.13	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (73°F)	363000	psi	ISO 527-1/1
Tensile Stress (Yield, 73°F)	8700	psi	ISO 527-2/5
Tensile Stress (Break, 73°F)	7250	psi	ISO 527-2/5
Tensile Strain (Yield, 73°F)	5.0	%	ISO 527-2/5
Tensile Strain (Break, 73°F)	7.5	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	3.8	ft·lb/in ²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	275	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	248	°F	ISO 75-2/A
Vicat Softening Temperature	293	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	3.6E-5	in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	3.6E-5	in/in/°F	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+4	ohms	ASTM D257
Volume Resistivity	5.0E+4	ohms·cm	ASTM D257

Notes
¹ Typical properties: these are not to be construed as specifications.

² 60 MPa

³ in air
