LATIOHM B61-01 AM CNT

LATI INDUSTRIA TERMOPLASTICI SPA - *Biodegradable Polymers*

General Information

Product Description			
Semiconductive/dissipative product based on Bio-polymer resin. 3D printing version. Carbon nanotubes. PFAS-free product.			
General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Carbon Nano		
Features	• PFAS Free	• Renewable Resource Content	
Uses	• Additive Manufacturing (3D Printing)		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.34	g/cm³	ISO 1183
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (73°F)	116000	psi	ISO 527-1/1
Tensile Stress (Break, 73°F)	2900	psi	ISO 527-2/5
Tensile Strain (Break, 73°F)	2.5	%	ISO 527-2/5
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (73°F)	2.4	ft·lb/in²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	21	ft·lb/in²	ISO 179/1eU
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Unannealed)	122	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	104	°F	ISO 75-2/A
Vicat Softening Temperature	131	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	4.2E-5	in/in/°F	ISO 11359-2
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	5.0	ohms	ASTM D257

Notes

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