LATISTAT 62-06 K/10

LATI INDUSTRIA TERMOPLASTICI SPA - *Polyamide 6*

General Information

Product Description

Dissipative product based on Polyamide 6 (PA 6). Carbon fibres. PFAS-free product.

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Carbon Fiber		
Features	• Antistatic	• PFAS Free	

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.15	g/cm³	ISO 1183
Molding Shrinkage [2]			ISO 294-4
Across Flow : 0.0787 in	0.50 to 0.70	%	
Flow : 0.0787 in	0.30 to 0.50	%	
Water Absorption [3] (Saturation, 73°F)	2.4	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus			ISO 527-1/1
73°F	1.09E+6	psi	
140°F	899000	psi	
194°F	595000	psi	
248°F	522000	psi	
302°F	421000	psi	
Tensile Stress			ISO 527-2/5
Break, 73°F	16700	psi	
Break, 140°F	14500	psi	
Break, 194°F	11600	psi	
Break, 248°F	9430	psi	
Break, 302°F	7250	psi	
Tensile Strain			ISO 527-2/5
Break, 73°F	4.0	%	
Break, 140°F	9.0	%	
Break, 194°F	11	%	
Break, 248°F	12	%	
Break, 302°F	12	%	
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
-4°F	4.8	ft·lb/in²	
73°F	5.7	ft·lb/in²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-4°F	26	ft·lb/in²	
73°F	26	ft·lb/in²	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Unannealed)	410	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	383	°F	ISO 75-2/A
Vicat Softening Temperature	401	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	1.7E-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	3.0E+3	ohms	ASTM D257

Notes

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

[2] 60 MPa

[3] in air