LATAMID 66 H2 K/50

LATI INDUSTRIA TERMOPLASTICI SPA - *Polyamide 66*

General Information

Product Description

Compound based on Polyamide 66 (PA 66). Improved thermal stabilisation. Carbon fibres. High stiffness. PFAS-free product.

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

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.37	g/cm³	ISO 1183
Molding Shrinkage [2]			ISO 294-4
Across Flow : 0.0787 in	0.35 to 0.55	%	
Flow : 0.0787 in	0.10 to 0.30	%	
Water Absorption [3] (Saturation, 73°F)	1.3	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus			ISO 527-1/1
73°F	4.93E+6	psi	
140°F	4.21E+6	psi	
194°F	3.05E+6	psi	
248°F	2.26E+6	psi	
302°F	1.81E+6	psi	
Tensile Stress			ISO 527-2/5
Break, 73°F	34800	psi	
Break, 140°F	29700	psi	
Break, 194°F	23900	psi	
Break, 248°F	18900	psi	
Break, 302°F	16000	psi	
Tensile Strain			ISO 527-2/5
Break, 73°F	1.0	%	
Break, 140°F	1.3	%	
Break, 194°F	1.8	%	
Break, 248°F	2.0	%	
Break, 302°F	2.2	%	
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (73°F)	3.8	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)	500	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	482	°F	ISO 75-2/A
Vicat Softening Temperature	491	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	2.8E-6	in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	1.9E-5	in/in/°F	ISO 11359-2
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	10	ohms	ASTM D257
Volume Resistivity	50	ohms·cm	ASTM D257

Dielectric Strength (73°F, 0.0787 in, Method A (Short-Time))	51 V/mil	ASTM D149

Notes

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

[2] 60 MPa

[3] in air