

LATAMID 6 H2 G/35

 LATI INDUSTRIA TERMOPLASTICI SPA - *Polyamide 6*
General Information
Product Description

Compound based on Polyamide 6 (PA 6). Improved thermal stabilisation. Glass fibres. PFAS-free product.

General

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

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.40	g/cm ³	ISO 1183
Molding Shrinkage ²			ISO 294-4
Across Flow : 0.0787 in	0.60 to 0.80	%	
Flow : 0.0787 in	0.25 to 0.45	%	
Water Absorption ³ (Saturation, 73°F)	1.9	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-1/1
73°F	1.48E+6	psi	
140°F	899000	psi	
194°F	725000	psi	
248°F	580000	psi	
302°F	508000	psi	
Tensile Stress			ISO 527-2/5
Break, 73°F	26100	psi	
Break, 140°F	16700	psi	
Break, 194°F	14500	psi	
Break, 248°F	11600	psi	
Break, 302°F	9430	psi	
Tensile Strain			ISO 527-2/5
Break, 73°F	2.7	%	
Break, 140°F	4.9	%	
Break, 194°F	5.5	%	
Break, 248°F	5.8	%	
Break, 302°F	6.0	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	4.8	ft·lb/in ²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	36	ft·lb/in ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	419	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	401	°F	ISO 75-2/A
Vicat Softening Temperature	419	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	1.4E-5	in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	3.1E-5	in/in/°F	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+12	ohms	ASTM D257
Dielectric Strength (73°F, 0.0787 in, Method A (Short-Time))	250	V/mil	ASTM D149



Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.030 in		HB	
0.06 in		HB	
0.12 in		HB	

Notes

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

² 60 MPa

³ in air

