

LATAMID 6 H2 G/50

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

Compound based on Polyamide 6 (PA 6). Improved thermal stabilisation. Glass fibres. High stiffness. 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)	1.56	g/cm ³	ISO 1183
Molding Shrinkage ²			ISO 294-4
Across Flow : 0.0787 in	0.50 to 0.75	%	
Flow : 0.0787 in	0.20 to 0.35	%	
Water Absorption ³ (Saturation, 73°F)	1.4	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (73°F)	2.18E+6	psi	ISO 527-1/1
Tensile Stress (Break, 73°F)	29000	psi	ISO 527-2/5
Tensile Strain (Break, 73°F)	2.4	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-4°F	5.7	ft·lb/in ²	
73°F	5.7	ft·lb/in ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-4°F	38	ft·lb/in ²	
73°F	38	ft·lb/in ²	
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)	1.1E-5	in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	2.8E-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))	560	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		
Oxygen Index	25	%	ASTM D2863

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

² 60 MPa

³ in air
