

LATAMID 6 H2 G/30-V2HF

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

Compound based on Polyamide 6 (PA 6). Improved thermal stabilisation. Glass fibres. Flame retardant, UL94 V-2 class, free of halogens-based flame retardants and red phosphorous. PFAS-free product.

General

Material Status	<ul style="list-style-type: none"> Commercial: Active 		
Availability	<ul style="list-style-type: none"> Africa & Middle East Asia Pacific 	<ul style="list-style-type: none"> Europe Latin America 	<ul style="list-style-type: none"> North America
Filler / Reinforcement	<ul style="list-style-type: none"> Glass Fiber 		
Additive	<ul style="list-style-type: none"> Flame Retardant 		
Features	<ul style="list-style-type: none"> Flame Retardant Good Thermal Stability 	<ul style="list-style-type: none"> Halogen Free Low (to None) Phosphorus Content 	<ul style="list-style-type: none"> PFAS Free

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.38	g/cm ³	ISO 1183
Molding Shrinkage ²			ISO 294-4
Across Flow : 0.0787 in	0.70 to 0.90	%	
Flow : 0.0787 in	0.50 to 0.70	%	
Water Absorption ³ (Saturation, 73°F)	1.9	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-1/1
73°F	943000	psi	
140°F	464000	psi	
194°F	305000	psi	
248°F	232000	psi	
302°F	218000	psi	
Tensile Stress			ISO 527-2/5
Break, 73°F	11600	psi	
Break, 140°F	6530	psi	
Break, 194°F	4350	psi	
Break, 248°F	3630	psi	
Break, 302°F	2900	psi	
Tensile Strain			ISO 527-2/5
Break, 73°F	2.6	%	
Break, 140°F	8.0	%	
Break, 194°F	9.5	%	
Break, 248°F	11	%	
Break, 302°F	12	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	1.9	ft·lb/in ²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	17	ft·lb/in ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	401	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	329	°F	ISO 75-2/A
Vicat Softening Temperature	401	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	2.8E-5	in/in/°F	ISO 11359-2



CLTE - Transverse (86 to 212°F)	3.3E-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))	530 V/mil	ASTM D149
Comparative Tracking Index ⁴ (Solution A)	575 V	IEC 60112
Flammability	Nominal Value Unit	Test Method
Flame Rating		UL 94
0.030 in	V-2	
0.06 in	V-2	
0.12 in	V-2	
Glow Wire Flammability Index		IEC 60695-2-12
0.04 in	1560 °F	
0.08 in	1760 °F	
Glow Wire Ignition Temperature		IEC 60695-2-13
0.04 in	1340 °F	
0.08 in	1340 °F	
Oxygen Index	28 %	ASTM D2863

Notes

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

² 60 MPa

³ in air

⁴ Without surfactant

