

**LATAMID 6 H2 G/30-V0CT1**

 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-0 class, with brominated flame retardants, free of PBB/PBDE. PFAS-free product.

**General**

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

**Properties <sup>1</sup>**

<b>Physical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Density (73°F)	1.55	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage <sup>2</sup>			ISO 294-4
Across Flow : 0.0787 in	0.55 to 0.65	%	
Flow : 0.0787 in	0.25 to 0.45	%	
Water Absorption <sup>3</sup> (Saturation, 73°F)	1.2	%	ISO 62
<b>Mechanical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Tensile Modulus (73°F)	1.60E+6	psi	ISO 527-1/1
Tensile Stress (Break, 73°F)	16700	psi	ISO 527-2/5
Tensile Strain (Break, 73°F)	2.0	%	ISO 527-2/5
<b>Impact</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Charpy Notched Impact Strength			ISO 179/1eA
-4°F	4.8	ft·lb/in <sup>2</sup>	
73°F	5.7	ft·lb/in <sup>2</sup>	
Charpy Unnotched Impact Strength			ISO 179/1eU
-4°F	24	ft·lb/in <sup>2</sup>	
73°F	29	ft·lb/in <sup>2</sup>	
<b>Thermal</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Deflection Temperature Under Load (66 psi, Unannealed)	419	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	392	°F	ISO 75-2/A
Vicat Softening Temperature	392	°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)	2.5E-5	in/in/°F	ISO 11359-2
<b>Electrical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
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 <sup>4</sup> (Solution A)	400	V	IEC 60112
<b>Flammability</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Flame Rating			UL 94
0.030 in	V-0		
0.06 in	V-0		
0.12 in	V-0		
Glow Wire Flammability Index			IEC 60695-2-12
0.04 in	1760	°F	



0.08 in	1760 °F	
Glow Wire Ignition Temperature		IEC 60695-2-13
0.04 in	1520 °F	
0.08 in	1520 °F	
Oxygen Index	28 %	ASTM D2863

#### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 60 MPa

<sup>3</sup> in air

<sup>4</sup> Without surfactant

