

**LATIGLOSS 62 H2 GS/600**

 LATI INDUSTRIA TERMOPLASTICI SPA - *Polyamide 6*

## General Information

**Product Description**

Product with high mechanical properties and exceptional surface finish based on Polyamide 6 (PA 6). Improved thermal stabilisation. Glass fibres / Glass beads. High dimensional stability. High stiffness. PFAS-free product.

**General**

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

 Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.70	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage <sup>2</sup>			ISO 294-4
Across Flow : 0.0787 in	0.40 to 0.70	%	
Flow : 0.0787 in	0.25 to 0.40	%	
Water Absorption <sup>3</sup> (Saturation, 73°F)	1.3	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-1/1
73°F	2.18E+6	psi	
140°F	1.55E+6	psi	
194°F	1.03E+6	psi	
248°F	885000	psi	
302°F	783000	psi	
Tensile Stress			ISO 527-2/5
Break, 73°F	24700	psi	
Break, 140°F	17400	psi	
Break, 194°F	13100	psi	
Break, 248°F	10900	psi	
Break, 302°F	9430	psi	
Tensile Strain			ISO 527-2/5
Break, 73°F	2.1	%	
Break, 140°F	3.8	%	
Break, 194°F	4.5	%	
Break, 248°F	4.6	%	
Break, 302°F	5.2	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-4°F	3.8	ft·lb/in <sup>2</sup>	
73°F	4.8	ft·lb/in <sup>2</sup>	
Charpy Unnotched Impact Strength			ISO 179/1eU
-4°F	12	ft·lb/in <sup>2</sup>	
73°F	29	ft·lb/in <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	428	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	401	°F	ISO 75-2/A



Vicat Softening Temperature	410 °F	ISO 306/B120
CLTE - Flow (86 to 212°F)	8.3E-6 in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	1.9E-5 in/in/°F	ISO 11359-2
<b>Electrical</b>	<b>Nominal Value</b>	<b>Unit</b>
Surface Resistivity	1.0E+12	ohms
Dielectric Strength (73°F, 0.0787 in, Method A (Short-Time))	580	V/mil
		<b>Test Method</b>
		ASTM D257
		ASTM D149

#### Notes

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

<sup>2</sup> 60 MPa

<sup>3</sup> in air

