

**LATAMID 66 H2 K/30**

 LATI INDUSTRIA TERMOPLASTICI SPA - *Polyamide 66*
**General Information**
**Product Description**

Compound based on Polyamide 66 (PA 66). Improved thermal stabilisation. Carbon fibres. High stiffness. PFAS-free product.

**General**

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

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

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.27	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage <sup>2</sup>			ISO 294-4
Across Flow : 0.0787 in	0.55 to 0.85	%	
Flow : 0.0787 in	0.15 to 0.35	%	
Water Absorption <sup>3</sup> (Saturation, 73°F)	1.8	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-1/1
73°F	3.13E+6	psi	
140°F	2.55E+6	psi	
194°F	1.60E+6	psi	
248°F	1.07E+6	psi	
302°F	92800	psi	
Tensile Stress			ISO 527-2/5
Break, 73°F	36300	psi	
Break, 140°F	28300	psi	
Break, 194°F	21000	psi	
Break, 248°F	16700	psi	
Break, 302°F	13100	psi	
Tensile Strain			ISO 527-2/5
Break, 73°F	1.9	%	
Break, 140°F	2.7	%	
Break, 194°F	3.4	%	
Break, 248°F	3.5	%	
Break, 302°F	3.6	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-4°F	3.3	ft·lb/in <sup>2</sup>	
73°F	3.8	ft·lb/in <sup>2</sup>	
Charpy Unnotched Impact Strength			ISO 179/1eU
-4°F	24	ft·lb/in <sup>2</sup>	
73°F	26	ft·lb/in <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	500	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	482	°F	ISO 75-2/A
Vicat Softening Temperature	491	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	5.6E-6	in/in/°F	ISO 11359-2



CLTE - Transverse (86 to 212°F)	2.2E-5 in/in/°F	ISO 11359-2
<b>Electrical</b>	<b>Nominal Value Unit</b>	<b>Test Method</b>
Surface Resistivity	1.0E+3 ohms	ASTM D257
Volume Resistivity	5.0E+3 ohms·cm	ASTM D257
Dielectric Strength (73°F, 0.0787 in, Method A (Short-Time))	76 V/mil	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

