

LATAMID 66 H2 G/50-V0KB1

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

Compound based on Polyamide 66 (PA 66). Improved thermal stabilisation. Glass fibres. Flame retardant, UL94 V-0 class, with red phosphorous. 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		
Additive	• Flame Retardant		
Features	• Flame Retardant	• Good Thermal Stability	• PFAS Free

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.64	g/cm ³	ISO 1183
Molding Shrinkage ²			ISO 294-4
Across Flow : 0.0787 in	0.55 to 0.85	%	
Flow : 0.0787 in	0.25 to 0.60	%	
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)	27600	psi	ISO 527-2/5
Tensile Strain (Break, 73°F)	2.5	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-4°F	4.8	ft·lb/in ²	
73°F	5.7	ft·lb/in ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-4°F	29	ft·lb/in ²	
73°F	29	ft·lb/in ²	
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)	491	°F	ISO 75-2/A
Vicat Softening Temperature	491	°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)	2.5E-5	in/in/°F	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+12	ohms	ASTM D257
Dielectric Strength			ASTM D149
73°F, 0.0787 in, Method A (Short-Time) ⁴	530	V/mil	
73°F, 0.0787 in, Method A (Short-Time)	560	V/mil	
Comparative Tracking Index ⁵ (Solution A)	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.030 in		V-0	
0.06 in	•	V-0	
	•	5VA	
0.12 in	•	V-0	



	•	5VA	
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		1470 °F	
0.08 in		1470 °F	
Oxygen Index		32 %	ASTM D2863

Notes

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

² 60 MPa

³ in air

⁴ conditioned

⁵ Without surfactant

