

LATAMID 66 H2 G/25-V0CT1

 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 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 ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.55	g/cm ³	ISO 1183
Molding Shrinkage ²			ISO 294-4
Across Flow : 0.0787 in	0.70 to 1.0	%	
Flow : 0.0787 in	0.35 to 0.60	%	
Water Absorption ³ (Saturation, 73°F)	1.6	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-1/1
73°F	1.15E+6	psi	
140°F	943000	psi	
194°F	696000	psi	
248°F	638000	psi	
302°F	464000	psi	
Tensile Stress			ISO 527-2/5
Break, 73°F	16000	psi	
Break, 140°F	13800	psi	
Break, 194°F	10900	psi	
Break, 248°F	9430	psi	
Break, 302°F	8700	psi	
Tensile Strain			ISO 527-2/5
Break, 73°F	2.1	%	
Break, 140°F	2.9	%	
Break, 194°F	3.8	%	
Break, 248°F	4.8	%	
Break, 302°F	5.3	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	3.3	ft·lb/in ²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	21	ft·lb/in ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	491	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	464	°F	ISO 75-2/A
Vicat Softening Temperature	473	°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)	3.1E-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)	400	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.016 in		V-0	
0.030 in		V-0	
0.06 in		V-0	
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		1650 °F	
0.08 in		1650 °F	
Oxygen Index		31 %	ASTM D2863

Notes

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

² 60 MPa

³ in air

⁴ Without surfactant

