

LATAMID 66 H2 G/35-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. 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)	1.44	g/cm ³	ISO 1183
Molding Shrinkage ²			ISO 294-4
Across Flow : 0.0787 in	0.65 to 0.95	%	
Flow : 0.0787 in	0.30 to 0.60	%	
Water Absorption ³ (Saturation, 73°F)	1.8	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-1/1
73°F	1.35E+6	psi	
140°F	986000	psi	
194°F	769000	psi	
248°F	696000	psi	
302°F	551000	psi	
Tensile Stress			ISO 527-2/5
Break, 73°F	26800	psi	
Break, 140°F	18900	psi	
Break, 194°F	15200	psi	
Break, 248°F	12300	psi	
Break, 302°F	10900	psi	
Tensile Strain			ISO 527-2/5
Break, 73°F	3.0	%	
Break, 140°F	4.2	%	
Break, 194°F	5.7	%	
Break, 248°F	5.9	%	
Break, 302°F	6.1	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-4°F	2.9	ft·lb/in ²	
73°F	3.8	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)	491	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	455	°F	ISO 75-2/A



Vicat Softening Temperature	464 °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
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)	600 V	IEC 60112
Flammability	Nominal Value	Unit
Flame Rating		UL 94
0.030 in	HB	
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	
Oxygen Index	27 %	ASTM D2863

Notes

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

² 60 MPa

³ in air

⁴ Without surfactant

