

LATAMID 66 H2 K/40

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

Compound based on Polyamide 66 (PA 66). Improved thermal stabilisation. Carbon fibres. 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 ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.31	g/cm ³	ISO 1183
Molding Shrinkage ²			ISO 294-4
Across Flow : 0.0787 in	0.90 to 6.0	%	
Flow : 0.0787 in	0.15 to 0.40	%	
Water Absorption ³ (Saturation, 73°F)	1.5	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-1/1
73°F	4.00E+6	psi	
140°F	2.55E+6	psi	
194°F	1.64E+6	psi	
248°F	1.38E+6	psi	
302°F	1.19E+6	psi	
Tensile Stress			ISO 527-2/5
Break, 73°F	34800	psi	
Break, 140°F	25400	psi	
Break, 194°F	20300	psi	
Break, 248°F	16700	psi	
Break, 302°F	14500	psi	
Tensile Strain			ISO 527-2/5
Break, 73°F	1.6	%	
Break, 140°F	2.8	%	
Break, 194°F	3.3	%	
Break, 248°F	3.6	%	
Break, 302°F	3.7	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-4°F	3.8	ft·lb/in ²	
73°F	3.8	ft·lb/in ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-4°F	21	ft·lb/in ²	
73°F	24	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)	482	°F	ISO 75-2/A
Vicat Softening Temperature	491	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	2.8E-6	in/in/°F	ISO 11359-2



CLTE - Transverse (86 to 212°F)	2.2E-5 in/in/°F	ISO 11359-2
Electrical	Nominal Value Unit	Test Method
Surface Resistivity	1.0E+2 ohms	ASTM D257
Dielectric Strength (73°F, 0.0787 in, Method A (Short-Time))	76 V/mil	ASTM D149

Notes

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

² 60 MPa

³ in air

