

LATAMID 66 H2 K/20

 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 • Asia Pacific • Latin America • North America
Filler / Reinforcement	• Carbon Fiber
Features	• Good Thermal Stability • PFAS Free

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.22	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	0.20 to 0.40	%	
Water Absorption ³ (Saturation, 73°F)	2.0	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-1/1
73°F	2.26E+6	psi	
140°F	2.10E+6	psi	
194°F	1.31E+6	psi	
248°F	1.09E+6	psi	
302°F	841000	psi	
Tensile Stress			ISO 527-2/5
Break, 73°F	29000	psi	
Break, 140°F	22500	psi	
Break, 194°F	16700	psi	
Break, 248°F	13800	psi	
Break, 302°F	11600	psi	
Tensile Strain			ISO 527-2/5
Break, 73°F	2.0	%	
Break, 140°F	2.6	%	
Break, 194°F	3.4	%	
Break, 248°F	3.6	%	
Break, 302°F	3.7	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	2.9	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)	473	°F	ISO 75-2/A
Vicat Softening Temperature	482	°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	5.0E+3	ohms	ASTM D257
Volume Resistivity	5.0E+4	ohms·cm	ASTM D257



Notes

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

² 60 MPa

³ in air

