

LATIGLOSS 66 H2 G/50

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

Product with high mechanical properties and exceptional surface finish based on Polyamide 66 (PA 66). Improved thermal stabilisation. Glass fibres. 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		
Features	• Good Thermal Stability	• PFAS Free	• Pleasing Surface Appearance

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.58	g/cm ³	ISO 1183
Molding Shrinkage ²			ISO 294-4
Across Flow : 0.0787 in	0.50 to 0.75	%	
Flow : 0.0787 in	0.15 to 0.35	%	
Water Absorption ³ (Saturation, 73°F)	1.4	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-1/1
73°F	2.44E+6	psi	
140°F	1.71E+6	psi	
194°F	1.10E+6	psi	
248°F	798000	psi	
302°F	696000	psi	
Tensile Stress			ISO 527-2/5
Break, 73°F	33400	psi	
Break, 140°F	25400	psi	
Break, 194°F	18100	psi	
Break, 248°F	13100	psi	
Break, 302°F	10200	psi	
Tensile Strain			ISO 527-2/5
Break, 73°F	2.9	%	
Break, 140°F	3.2	%	
Break, 194°F	6.4	%	
Break, 248°F	7.3	%	
Break, 302°F	8.1	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-4°F	4.3	ft·lb/in ²	
73°F	4.8	ft·lb/in ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-4°F	40	ft·lb/in ²	
73°F	40	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)	455	°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)	1.9E-5 in/in/°F	ISO 11359-2
Electrical	Nominal Value	Unit
Surface Resistivity	1.0E+12	ohms
Dielectric Strength (73°F, 0.0787 in, Method A (Short-Time))	560	V/mil
Flammability	Nominal Value	Unit
Flame Rating		UL 94
0.030 in		HB
0.06 in		HB
0.12 in		HB

Notes

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

² 60 MPa

³ in air

