

LATAMID 66 S/30

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

Compound based on Polyamide 66 (PA 66). Glass beads. PFAS-free product.

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Filler / Reinforcement	• Glass Bead
Features	• PFAS Free

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.34	g/cm ³	ISO 1183
Molding Shrinkage ²			ISO 294-4
Across Flow : 0.0787 in	0.90 to 1.2	%	
Flow : 0.0787 in	0.90 to 1.2	%	
Water Absorption ³ (Saturation, 73°F)	1.8	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-1/1
73°F	682000	psi	
140°F	319000	psi	
194°F	174000	psi	
248°F	116000	psi	
302°F	94300	psi	
Tensile Stress			ISO 527-2/5
Yield, 73°F	11600	psi	
Yield, 140°F	7980	psi	
Yield, 194°F	5800	psi	
Yield, 248°F	5080	psi	
Yield, 302°F	3630	psi	
Tensile Stress			ISO 527-2/5
Break, 73°F	12300	psi	
Break, 140°F	7980	psi	
Break, 194°F	5800	psi	
Break, 248°F	4350	psi	
Break, 302°F	3630	psi	
Tensile Strain			ISO 527-2/5
Yield, 73°F	2.0	%	
Yield, 140°F	10	%	
Yield, 194°F	> 10	%	
Yield, 248°F	> 10	%	
Yield, 302°F	> 10	%	
Tensile Strain			ISO 527-2/5
Break, 73°F	5.0	%	
Break, 140°F	15	%	
Break, 194°F	20	%	
Break, 248°F	25	%	
Break, 302°F	45	%	



Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-4°F	0.38	ft·lb/in ²	
73°F	1.7	ft·lb/in ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-4°F	7.1	ft·lb/in ²	
73°F	14	ft·lb/in ²	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	410	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	221	°F	ISO 75-2/A
Vicat Softening Temperature	446	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	3.9E-5	in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	3.9E-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
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.030 in		HB	
0.12 in		HB	

Notes

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

² 60 MPa

³ in air

