

LATAMID 66 MDT03-01 G/10 BL:7449F1

LATI INDUSTRIA TERMOPLASTICI SPA - *Polyamide 66*

General Information

Product Description

Compound based on Polyamide 66 (PA 66). Magnetic detectable filler. Glass fibres. PFAS-free product.

General

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

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.36	g/cm ³	ISO 1183
Molding Shrinkage ²			ISO 294-4
Across Flow : 0.0787 in	0.95 to 1.4	%	
Flow : 0.0787 in	0.60 to 0.90	%	
Water Absorption ³ (Saturation, 73°F)	2.1	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (73°F)	711000	psi	ISO 527-1/1
Tensile Stress (Break, 73°F)	10200	psi	ISO 527-2/5
Tensile Strain (Break, 73°F)	3.2	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	1.9	ft·lb/in ²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	17	ft·lb/in ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	473	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	437	°F	ISO 75-2/A
Vicat Softening Temperature	464	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	2.2E-5	in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	4.2E-5	in/in/°F	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+12	ohms	ASTM D257

Notes

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

² 60 MPa

³ in air

