

LATAMID 66 E21 G/15

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

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

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Filler / Reinforcement	• Glass Fiber
Additive	• Impact Modifier
Features	• Good Toughness • Impact Modified • PFAS Free

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.18	g/cm ³	ISO 1183
Molding Shrinkage ²			ISO 294-4
Across Flow : 0.0787 in	0.95 to 1.3	%	
Flow : 0.0787 in	0.40 to 0.70	%	
Water Absorption ³ (Saturation, 73°F)	1.9	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (73°F)	653000	psi	ISO 527-1/1
Tensile Stress (Yield, 73°F)	13100	psi	ISO 527-2/5
Tensile Stress (Break, 73°F)	13100	psi	ISO 527-2/5
Tensile Strain (Yield, 73°F)	3.0	%	ISO 527-2/5
Tensile Strain (Break, 73°F)	5.5	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-22°F	4.8	ft·lb/in ²	
-4°F	7.1	ft·lb/in ²	
73°F	12	ft·lb/in ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-22°F	40	ft·lb/in ²	
-4°F	38	ft·lb/in ²	
73°F	36	ft·lb/in ²	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	482	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	428	°F	ISO 75-2/A
Vicat Softening Temperature	446	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	4.2E-5	in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	5.0E-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))	510	V/mil	ASTM D149

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

² 60 MPa

³ in air
