

**LATAMID 66 E21 K/07**

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

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

**General**

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

**Properties <sup>1</sup>**

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.10	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage <sup>2</sup>			ISO 294-4
Across Flow : 0.0787 in	0.70 to 1.1	%	
Flow : 0.0787 in	0.50 to 0.90	%	
Water Absorption <sup>3</sup> (Saturation, 73°F)	2.0	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (73°F)	870000	psi	ISO 527-1/1
Tensile Stress (Break, 73°F)	15200	psi	ISO 527-2/5
Tensile Strain (Break, 73°F)	5.3	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	7.1	ft·lb/in <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	26	ft·lb/in <sup>2</sup>	ISO 179/1eU
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)	455	°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)	4.7E-5	in/in/°F	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+5	ohms	ASTM D257
Dielectric Strength (73°F, 0.0787 in, Method A (Short-Time))	180	V/mil	ASTM D149

**Notes**
<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 60 MPa

<sup>3</sup> in air
