

**LATAMID 67 MDT09-01 BL:7426F1**

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

Compound based on Polyamide 66 (PA 66), toughened. Magnetic and X-Rays detectable filler. PFAS-free product.

**General**

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

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

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.64	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage <sup>2</sup>			ISO 294-4
Across Flow : 0.0787 in	1.1 to 1.4	%	
Flow : 0.0787 in	1.0 to 1.3	%	
Water Absorption <sup>3</sup> (Saturation, 73°F)	1.6	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (73°F)	334000	psi	ISO 527-1/1
Tensile Stress (Yield, 73°F)	4350	psi	ISO 527-2/5
Tensile Stress (Break, 73°F)	5800	psi	ISO 527-2/5
Tensile Strain (Yield, 73°F)	1.7	%	ISO 527-2/5
Tensile Strain (Break, 73°F)	12	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-4°F	3.8	ft·lb/in <sup>2</sup>	
73°F	3.8	ft·lb/in <sup>2</sup>	
Charpy Unnotched Impact Strength			ISO 179/1eU
-4°F	40	ft·lb/in <sup>2</sup>	
73°F	No Break		
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	365	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	131	°F	ISO 75-2/A
Vicat Softening Temperature	401	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	4.4E-5	in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	4.4E-5	in/in/°F	ISO 11359-2

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

<sup>2</sup> 60 MPa

<sup>3</sup> in air
