

**LATAMID 63 MDT05-01 G/40 BL:F1**

 LATI INDUSTRIA TERMOPLASTICI SPA - *Polyamide 6*
**General Information**
**Product Description**

Compound based on Polyamide 6 (PA 6), toughened. Magnetic and X-Rays detectable filler. Glass fibres. PFAS-free product.

**General**

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

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

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.88	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage <sup>2</sup>			ISO 294-4
Across Flow : 0.0787 in	0.60 to 0.80	%	
Flow : 0.0787 in	0.25 to 0.45	%	
Water Absorption <sup>3</sup> (Saturation, 73°F)	1.4	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (73°F)	2.10E+6	psi	ISO 527-1/1
Tensile Stress (Break, 73°F)	18900	psi	ISO 527-2/5
Tensile Strain (Break, 73°F)	2.1	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	5.2	ft·lb/in <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	21	ft·lb/in <sup>2</sup>	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	419	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	383	°F	ISO 75-2/A
Vicat Softening Temperature	401	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	1.1E-5	in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	2.8E-5	in/in/°F	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+12	ohms	ASTM D257

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

<sup>2</sup> 60 MPa

<sup>3</sup> in air
