

LATAMID 6 MDT17-01 BLACK:3424F1

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

Compound based on Polyamide 6 (PA 6). Magnetic and X-Rays detectable filler. High stiffness. 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 ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	3.00	g/cm ³	ISO 1183
Molding Shrinkage ²			ISO 294-4
Across Flow : 0.0787 in	0.80 to 1.0	%	
Flow : 0.0787 in	0.70 to 0.90	%	
Water Absorption ³ (Saturation, 73°F)	0.50	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (73°F)	1.74E+6	psi	ISO 527-1/1
Tensile Stress (Break, 73°F)	9430	psi	ISO 527-2/5
Tensile Strain (Break, 73°F)	0.80	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	1.5	ft·lb/in ²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	12	ft·lb/in ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	374	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	275	°F	ISO 75-2/A
Vicat Softening Temperature	410	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	1.9E-5	in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	2.2E-5	in/in/°F	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	4.0E+2	ohms	ASTM D257
Volume Resistivity	50	ohms·cm	ASTM D257

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

² 60 MPa

³ in air
