LATAMID 6 MDT04-01 BLUE:7566F1

LATI INDUSTRIA TERMOPLASTICI SPA - *Polyamide 6*

General Information

Product Description			
Compound based on Polyamide 6 (PA 6). Magnetic detectable filler. PFAS-free product.			
General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Filler		
Features	• Magnetically Detectable	• Metal Detectable	• PFAS Free

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.30	g/cm³	ISO 1183
Molding Shrinkage [2]			ISO 294-4
Across Flow : 0.0787 in	1.1 to 1.4	%	
Flow : 0.0787 in	1.1 to 1.4	%	
Water Absorption [3] (Saturation, 73°F)	2.0	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (73°F)	290000	psi	ISO 527-1/1
Tensile Stress (Yield, 73°F)	5800	psi	ISO 527-2/5
Tensile Stress (Break, 73°F)	5800	psi	ISO 527-2/5
Tensile Strain (Yield, 73°F)	3.3	%	ISO 527-2/5
Tensile Strain (Break, 73°F)	30	%	ISO 527-2/5
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (73°F)	4.3	ft·lb/in²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	No Break		ISO 179/1eU
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Unannealed)	275	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	131	°F	ISO 75-2/A
Vicat Softening Temperature	302	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	3.3E-5	in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	3.3E-5	in/in/°F	ISO 11359-2
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+12	ohms	ASTM D257

Notes

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

[2] 60 MPa

[3] in air