

LASTILAC MR MDT05-01 NT:0205F1

LATI INDUSTRIA TERMOPLASTICI SPA - *Acrylonitrile Butadiene Styrene*

General Information

Product Description

Compound based on Acrylonitrile-Butadiene-Styrene copolymer (ABS). Magnetic detectable filler. High dimensional stability. 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)	1.32	g/cm ³	ISO 1183
Molding Shrinkage ²			ISO 294-4
Across Flow : 0.0787 in	0.40 to 0.60	%	
Flow : 0.0787 in	0.35 to 0.55	%	
Water Absorption ³ (Saturation, 73°F)	0.25	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (73°F)	43500	psi	ISO 527-1/1
Tensile Stress (Break, 73°F)	3630	psi	ISO 527-2/5
Tensile Strain (Break, 73°F)	7.0	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	1.7	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)	185	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	167	°F	ISO 75-2/A
Vicat Softening Temperature	203	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	3.9E-5	in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	3.9E-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

