

**LASTANE 50 MDT05-01 BLUE:7532F1**

 LATI INDUSTRIA TERMOPLASTICI SPA - *Thermoplastic Polyurethane Elastomer*
**General Information**
**Product Description**

Compound based on Thermoplastic Polyurethane (TPU). Magnetic 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	• Metal Detectable	• PFAS Free

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

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density (73°F)	1.50	g/cm <sup>3</sup>	ISO 1183
Water Absorption <sup>2</sup> (Saturation, 73°F)	0.30	%	ISO 62
<b>Mechanical</b>			
Tensile Modulus (73°F)	5800	psi	ISO 527-1/1
Tensile Stress (Yield, 73°F)	1020	psi	ISO 527-2/5
Tensile Stress (Break, 73°F)	No Break		ISO 527-2/5
Tensile Strain (Yield, 73°F)	> 10	%	ISO 527-2/5
Tensile Strain (Break, 73°F)	No Break		ISO 527-2/5
<b>Impact</b>			
Charpy Notched Impact Strength (73°F)	No Break		ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	No Break		ISO 179/1eU
<b>Hardness</b>			
Shore Hardness (Shore A)	88		ISO 7619-1
<b>Electrical</b>			
Surface Resistivity	1.0E+12	ohms	ASTM D257
Dielectric Strength (73°F, 0.0787 in, Method A (Short-Time))	480	V/mil	ASTM D149
Electromagnetic Reflection - Bekiscan - CP	95	%	

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

<sup>2</sup> in air
