LATIGRAY B01-01 AM CX/35 F1

LATI INDUSTRIA TERMOPLASTICI SPA - *Biodegradable Polymers*

General Information

Product Description			
Radiopaque compound based on Bio-polymer resin. 3D printing version. Special filler. PFAS-free product.			
General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Filler		
Features	• PFAS Free	• Renewable Resource Content	
Uses	• Additive Manufacturing (3D Printing)		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.66	g/cm³	ISO 1183
Molding Shrinkage [2]			ISO 294-4
Across Flow : 0.0787 in	0.15 to 0.40	%	
Flow : 0.0787 in	0.15 to 0.40	%	
Water Absorption [3] (Saturation, 73°F)	0.60	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (73°F)	986000	psi	ISO 527-1/1
Tensile Stress (Break, 73°F)	5080	psi	ISO 527-2/5
Tensile Strain (Break, 73°F)	3.5	%	ISO 527-2/5
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (73°F)	0.95	ft·lb/in²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	5.7	ft·lb/in²	ISO 179/1eU
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Unannealed)	131	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	122	°F	ISO 75-2/A
Vicat Softening Temperature	140	°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