LATISTAT 47/7-03

LATI INDUSTRIA TERMOPLASTICI SPA - *Polypropylene Copolymer*

General Information

Product Description			
Dissipative product based on Polypropylene copolymer (PPc). High dimensional stability. PFAS-free product.			
General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Antistatic	• Copolymer	• PFAS Free

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.00	g/cm³	ISO 1183
Molding Shrinkage [2]			ISO 294-4
Across Flow : 0.0787 in	1.4 to 1.7	%	
Flow : 0.0787 in	1.2 to 1.4	%	
Water Absorption [3] (Saturation, 73°F)	0.080	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus			ISO 527-1/1
73°F	232000	psi	
140°F	113000	psi	
194°F	52200	psi	
Tensile Stress			ISO 527-2/5
Yield, 140°F	2180	psi	
Yield, 194°F	1450	psi	
Tensile Stress			ISO 527-2/5
Break, 73°F	3340	psi	
Break, 140°F	2180	psi	
Break, 194°F	725	psi	
Tensile Strain			ISO 527-2/5
Yield, 140°F	7.8	%	
Yield, 194°F	10	%	
Tensile Strain			ISO 527-2/5
Break, 73°F	4.1	%	
Break, 140°F	9.0	%	
Break, 194°F	> 50	%	
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
-4°F	1.7	ft·lb/in²	
73°F	7.1	ft·lb/in²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-4°F	No Break		
73°F	No Break		
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Unannealed)	194	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	131	°F	ISO 75-2/A
Vicat Softening Temperature	194	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	6.1E-5	in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	6.1E-5	in/in/°F	ISO 11359-2

Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	20	ohms	ASTM D257

Notes

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

[2] 60 MPa

[3] in air