

LASTILAC 11 G/10

 LATI INDUSTRIA TERMOPLASTICI SPA - *Polycarbonate + ABS*
General Information
Product Description

Compound based on ABS/PC Blend (ABS/PC). Glass fibres. Good surface appearance. Good impact resistance. Good thermal properties. PFAS-free product.

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Filler / Reinforcement	• Glass Fiber
Features	• PFAS Free

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.19	g/cm ³	ISO 1183
Molding Shrinkage ²			ISO 294-4
Across Flow : 0.0787 in	0.55 to 0.75	%	
Flow : 0.0787 in	0.35 to 0.55	%	
Water Absorption ³ (Saturation, 73°F)	0.15	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-1/1
73°F	566000	psi	
140°F	522000	psi	
194°F	479000	psi	
248°F	189000	psi	
Tensile Stress			ISO 527-2/5
Yield, 73°F	13100	psi	
Yield, 140°F	7250	psi	
Yield, 194°F	5800	psi	
Yield, 248°F	2180	psi	
Tensile Stress			ISO 527-2/5
Break, 73°F	10200	psi	
Break, 140°F	5080	psi	
Break, 194°F	3630	psi	
Break, 248°F	725	psi	
Tensile Strain			ISO 527-2/5
Yield, 73°F	2.3	%	
Yield, 140°F	2.1	%	
Yield, 194°F	1.8	%	
Yield, 248°F	1.6	%	
Tensile Strain			ISO 527-2/5
Break, 73°F	2.6	%	
Break, 140°F	2.3	%	
Break, 194°F	2.1	%	
Break, 248°F	1.9	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	5.7	ft-lb/in ²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	14	ft-lb/in ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method



Deflection Temperature Under Load (66 psi, Unannealed)	266 °F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	239 °F	ISO 75-2/A
Vicat Softening Temperature	257 °F	ISO 306/B120
CLTE - Flow (86 to 212°F)	1.7E-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
Surface Resistivity	1.0E+12	ohms
Dielectric Strength (73°F, 0.0787 in, Method A (Short-Time))	610	V/mil
Comparative Tracking Index ⁴ (Solution A)	350	V
Flammability	Nominal Value	Unit
Flame Rating		UL 94
0.06 in		HB
0.12 in		HB

Notes

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

² 60 MPa

³ in air

⁴ Without Surfactant

