

LASTILAC AR G/17-V0E

LATI INDUSTRIA TERMOPLASTICI SPA - *Acrylonitrile Butadiene Styrene*

General Information

Product Description

Compound based on Acrylonitrile-Butadiene-Styrene copolymer (ABS). Glass fibres. Flame retardant, UL94 V-0 class, with brominated flame retardants, free of PBB/PBDE. Very high dimensional stability.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Filler / Reinforcement	• Glass Fiber		
Additive	• Flame Retardant		
Features	• Brominated	• Flame Retardant	

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.37	g/cm ³	ISO 1183
Molding Shrinkage ²			ISO 294-4
Across Flow : 0.0787 in	0.45 to 0.65	%	
Flow : 0.0787 in	0.25 to 0.45	%	
Water Absorption ³ (Saturation, 73°F)	0.25	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-1/1
73°F	682000	psi	
140°F	566000	psi	
194°F	421000	psi	
Tensile Stress (Yield, 194°F)	2180	psi	ISO 527-2/5
Tensile Stress			ISO 527-2/5
Break, 73°F	7250	psi	
Break, 140°F	5080	psi	
Break, 194°F	1160	psi	
Tensile Strain (Yield, 194°F)	1.0	%	ISO 527-2/5
Tensile Strain			ISO 527-2/5
Break, 73°F	1.4	%	
Break, 140°F	1.6	%	
Break, 194°F	15	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-4°F	0.95	ft·lb/in ²	
73°F	2.4	ft·lb/in ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-4°F	4.8	ft·lb/in ²	
73°F	5.7	ft·lb/in ²	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	203	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	194	°F	ISO 75-2/A
Vicat Softening Temperature	194	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	1.9E-5	in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	4.2E-5	in/in/°F	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method



Surface Resistivity	1.0E+12 ohms	ASTM D257
Dielectric Strength (73°F, 0.0787 in, Method A (Short-Time))	510 V/mil	ASTM D149
Comparative Tracking Index ⁴ (Solution A)	325 V	IEC 60112
Flammability	Nominal Value Unit	Test Method
Flame Rating		UL 94
0.030 in	V-1	
0.06 in	V-0	
0.12 in	V-0	
Glow Wire Flammability Index		IEC 60695-2-12
0.04 in	1760 °F	
0.08 in	1760 °F	
Glow Wire Ignition Temperature		IEC 60695-2-13
0.04 in	1430 °F	
0.08 in	1470 °F	
Oxygen Index	33 %	ASTM D2863

Notes

¹ Typical properties: these are not to be construed as specifications.
² 60 MPa
³ in air
⁴ Without Surfactant

