

LASTILAC AR-V0E

LATI INDUSTRIA TERMOPLASTICI SPA - *Acrylonitrile Butadiene Styrene*

General Information

Product Description

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

General

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

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.21	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	0.40 to 0.60	%	
Water Absorption ³ (Saturation, 73°F)	0.39	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-1/1
73°F	348000	psi	
140°F	276000	psi	
194°F	218000	psi	
Tensile Stress			ISO 527-2/5
Yield, 73°F	5800	psi	
Yield, 140°F	4350	psi	
Yield, 194°F	2900	psi	
Tensile Stress			ISO 527-2/5
Break, 73°F	5080	psi	
Break, 140°F	2900	psi	
Break, 194°F	725	psi	
Tensile Strain			ISO 527-2/5
Yield, 73°F	2.2	%	
Yield, 140°F	2.4	%	
Yield, 194°F	2.5	%	
Tensile Strain			ISO 527-2/5
Break, 73°F	8.0	%	
Break, 140°F	50	%	
Break, 194°F	95	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	2.9	ft·lb/in ²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	19	ft·lb/in ²	ISO 179/1eU
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)	176	°F	ISO 75-2/A
Vicat Softening Temperature	203	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	4.2E-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))	460	V/mil	ASTM D149
Comparative Tracking Index ⁴ (Solution A)	350	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.030 in		V-2	
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	1560	°F	
0.08 in	1340	°F	
Oxygen Index	28	%	ASTM D2863

Notes

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

