

Lastilac AR-V0E

Acrylonitrile Butadiene Styrene

LATI S.p.A.

Message:

Acrylonitrile-Butadiene-Styrene copolymer (ABS) based compound.

UL94 V-0 classified, with brominated flame retardants, PBB/PBDE free. Very high dimensional stability. Very good surface appearance.

General Information			
Additive	Flame Retardant		
Features	Brominated		
	Flame Retardant		
	Good Dimensional Stability		
	Good Surface Finish		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.45 to 0.65	%	
Flow : 2.00 mm	0.40 to 0.60	%	
Water Absorption (23°C, 24 hr)	0.040	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-2/1
23°C	2300	MPa	
60°C	1900	MPa	
90°C	1500	MPa	
Tensile Stress			ISO 527-2/5
Yield, 23°C	40.0	MPa	
Yield, 60°C	30.0	MPa	
Yield, 90°C	20.0	MPa	
Break, 23°C	35.0	MPa	
Break, 60°C	20.0	MPa	
Break, 90°C	5.00	MPa	
Tensile Strain			ISO 527-2/5
Yield, 23°C	2.0	%	
Yield, 60°C	2.3	%	
Yield, 90°C	2.0	%	
Break, 23°C	8.0	%	
Break, 60°C	50	%	
Break, 90°C	95	%	
Impact	Nominal Value	Unit	Test Method

Charpy Notched Impact Strength			ISO 179/1eA
-20°C	4.0	kJ/m ²	
23°C	7.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	35	kJ/m ²	
23°C	50	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	85.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	80.0	°C	ISO 75-2/A
Continuous Use Temperature ²	70.0	°C	
Vicat Softening Temperature	95.0	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	3.5E-5	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (Solution A)	350	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.750 mm	V-2		
1.50 mm	V-0		
3.00 mm	V-0		
Glow Wire Flammability Index			IEC 60695-2-12
1.00 mm	960	°C	
2.00 mm	960	°C	
Glow Wire Ignition Temperature			IEC 60695-2-13
1.00 mm	850	°C	
2.00 mm	725	°C	
Oxygen Index	28	%	ASTM D2863
Additional Information	Nominal Value		
Dimensional Stability	79.0		
Injection	Nominal Value	Unit	
Drying Temperature	70.0 to 80.0	°C	
Drying Time	3.0	hr	
Suggested Max Regrind	15	%	
Processing (Melt) Temp	180 to 220	°C	
Mold Temperature	40.0 to 60.0	°C	
Injection Rate	Moderate		
NOTE			
1.	60 MPa		
2.	20,000 hr		

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