

Lastilac AR G/17-V0E

Acrylonitrile Butadiene Styrene

LATI S.p.A.

Message:

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

Glass fibres. UL94 V-0 classified, with brominated flame retardants, PBB/PBDE free. Very high dimensional stability.

General Information			
Filler / Reinforcement	Glass Fiber, 17% Filler by Weight		
Additive	Flame Retardant		
Features	Brominated		
	Flame Retardant		
	Good Dimensional Stability		

Physical	Nominal Value	Unit	Test Method
Density	1.40	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.40 to 0.60	%	
Flow : 2.00 mm	0.30 to 0.50	%	
Water Absorption (23°C, 24 hr)	0.030	%	ISO 62

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-2/1
23°C	4700	MPa	
60°C	3900	MPa	
90°C	2900	MPa	
Tensile Stress			ISO 527-2/5
Yield, 90°C	15.0	MPa	
Break, 23°C	35.0	MPa	
Break, 60°C	15.0	MPa	
Break, 90°C	8.00	MPa	
Tensile Strain			ISO 527-2/5
Yield, 90°C	1.0	%	
Break, 23°C	1.5	%	
Break, 60°C	1.5	%	
Break, 90°C	15	%	

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	2.0	kJ/m ²	
23°C	5.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU

-20°C	10	kJ/m ²	
23°C	8.0	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	100	°C	ISO 75-2/B
1.8 MPa, Unannealed	95.0	°C	ISO 75-2/A
Continuous Use Temperature ²	70.0	°C	
Vicat Softening Temperature	85.0	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	2.5E-5	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (Solution A)	325	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.750 mm	V-1		
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	775	°C	
2.00 mm	800	°C	
Oxygen Index	36	%	ASTM D2863
Additional Information	Nominal Value		
Dimensional Stability	49.0		
Injection	Nominal Value	Unit	
Drying Temperature	70.0 to 80.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	190 to 230	°C	
Mold Temperature	50.0 to 70.0	°C	
Injection Rate	Moderate		
NOTE			
1.	60 MPa		
2.	20,000 hr		

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