

Lastilac ARUV-V0

Acrylonitrile Butadiene Styrene

LATI S.p.A.

Message:

Compound based on Acrylonitrile-Butadiene-Styrene copolymer (ABS).
UV stabilised. UL94 V-0 classified, with halogens, PBB/PBDE free. Product UL certified.
Very high dimensional stability. Very good surface appearance.

General Information			
UL YellowCard	E54080-243948		
Additive	Flame Retardant		
Features	Copolymer		
	Flame Retardant		
	Good Dimensional Stability		
	Good Surface Finish		

Physical	Nominal Value	Unit	Test Method
Density	1.19	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	%	

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-2/1
23°C	2400	MPa	
60°C	1950	MPa	
90°C	1600	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	3.0	%	
Yield, 60°C	3.0	%	
Yield, 90°C	3.2	%	
Break, 23°C	10	%	
Break, 60°C	55	%	
Break, 90°C	95	%	

Impact	Nominal Value	Unit	Test Method
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Charpy Notched Impact Strength			ISO 179/1eA
-20°C	4.0	kJ/m ²	
23°C	5.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	35	kJ/m ²	
23°C	65	kJ/m ²	
Notched Izod Impact (23°C, 3.20 mm)	75	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	80.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	65.0	°C	ISO 75-2/A
Continuous Use Temperature ²	65.0	°C	
Vicat Softening Temperature	80.0	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	4.0E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.50 mm	V-0		
3.00 mm	5VA		
Glow Wire Flammability Index			IEC 60695-2-12
1.00 mm	960	°C	
2.00 mm	960	°C	
Injection	Nominal Value	Unit	
Drying Temperature	70.0 to 80.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	180 to 220	°C	
Mold Temperature	40.0 to 60.0	°C	
Injection Rate	Moderate		
NOTE			
1.	at 60 Mpa of cavity pressure		
2.	20,000 hr		

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