

Lastil G/25-V0

Styrene Acrylonitrile

LATI S.p.A.

Message:

Compound based on Styrene-Acrylonitrile copolymer (SAN).

Glass fibres. UL94 V-0 classified, with halogens.

Very high dimensional stability.

General Information			
Filler / Reinforcement	Glass Fiber,25% Filler by Weight		
Additive	Flame Retardant		
Features	Copolymer		
	Flame Retardant		
	Good Dimensional Stability		

Physical	Nominal Value	Unit	Test Method
Density	1.41	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.20 to 0.35	%	
Flow : 2.00 mm	0.15 to 0.30	%	

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-2/1
23°C	9200	MPa	
60°C	8500	MPa	
90°C	6800	MPa	
Tensile Stress			ISO 527-2/5
Break, 23°C	100	MPa	
Break, 60°C	85.0	MPa	
Break, 90°C	60.0	MPa	
Tensile Strain			ISO 527-2/5
Break, 23°C	1.2	%	
Break, 60°C	1.5	%	
Break, 90°C	2.0	%	

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	10	kJ/m ²	ISO 179/1eU
Notched Izod Impact (23°C, 3.20 mm)	30	J/m	ASTM D256A

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	105	°C	ISO 75-2/B
1.8 MPa, Unannealed	100	°C	ISO 75-2/A

Continuous Use Temperature ²	90.0	°C	
Vicat Softening Temperature	115	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	1.5E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index ³ (Solution A)	250	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	V-0		UL 94
Glow Wire Flammability Index			IEC 60695-2-12
1.00 mm	960	°C	
2.00 mm	960	°C	
Oxygen Index	28	%	ASTM D2863
Injection	Nominal Value	Unit	
Drying Temperature	70.0 to 80.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	190 to 220	°C	
Mold Temperature	40.0 to 70.0	°C	
Injection Rate	Moderate-Fast		
NOTE			
1.	at 60 Mpa of cavity pressure		
2.	20,000 hr		
3.	Without Surfactant		

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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