

Lastil G/30

Styrene Acrylonitrile

LATI S.p.A.

Message:

Compound based on Styrene-Acrylonitrile copolymer (SAN).

Glass fibres.

High dimensional stability. High stiffness. Low coefficient of linear thermal expansion.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Copolymer		
	Good Dimensional Stability		
	High Stiffness		
Physical	Nominal Value	Unit	Test Method
Density	1.31	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.25 to 0.45	%	
Flow : 2.00 mm	0.15 to 0.30	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-2/1
23°C	9600	MPa	
60°C	8000	MPa	
90°C	6000	MPa	
Tensile Stress			ISO 527-2/5
Yield, 90°C	35.0	MPa	
Break, 23°C	80.0	MPa	
Break, 60°C	60.0	MPa	
Break, 90°C	25.0	MPa	
Tensile Strain			ISO 527-2/5
Yield, 90°C	1.2	%	
Break, 23°C	2.0	%	
Break, 60°C	2.0	%	
Break, 90°C	2.5	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	3.0	kJ/m ²	
23°C	2.5	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	10	kJ/m ²	
23°C	12	kJ/m ²	

Notched Izod Impact (23°C, 3.20 mm)	35	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	110	°C	ISO 75-2/B
1.8 MPa, Unannealed	100	°C	ISO 75-2/A
Continuous Use Temperature ²	95.0	°C	
Vicat Softening Temperature	110	°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)	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	22	%	ASTM D2863
Injection	Nominal Value	Unit	
Drying Temperature	70.0 to 80.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	220 to 260	°C	
Mold Temperature	50.0 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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