Lastilac SP G/17

Acrylonitrile Butadiene Styrene

LATI S.p.A.

Message:

Compound based on Acrylonitrile-Butadiene-Styrene copolymer (ABS).
Glass fibres. Product UL certified.
High dimensional stability.

General Information	
UL YellowCard	E54080-243952
Filler / Reinforcement	Glass Fiber,17% Filler by Weight
Features	Copolymer
	Good Dimensional Stability

Physical	Nominal Value	Unit	Test Method
Density	1.18	g/cm³	ISO 1183
Molding Shrinkage [1]			ISO 294-4
Across Flow : 2.00 mm	0.45 to 0.65	%	
Flow : 2.00 mm	0.30 to 0.50	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus			ISO 527-2/1
23°C	5800	MPa	
60°C	5300	MPa	
90°C	4100	MPa	
Tensile Stress			ISO 527-2/5
Break, 23°C	75.0	MPa	
Break, 60°C	60.0	MPa	
Break, 90°C	35.0	MPa	
Tensile Strain			ISO 527-2/5
Break, 23°C	2.9	%	
Break, 60°C	3.3	%	
Break, 90°C	6.0	%	
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	2.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	15	kJ/m²	ISO 179/1eU
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	100	°C	ISO 75-2/B
1.8 MPa, Unannealed	95.0	°C	ISO 75-2/A
Continuous Use Temperature [2]	75.0	°C	

Vicat Softening Temperature	100	°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)	500	V	IEC 60112
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating (1.50 mm)	HB		UL 94
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	Fast		
NOTE			
1.	at 60 Mpa of cavity pressure		
2.	20,000 hr		
3.	Without Surfactant		

Recommended distributors for this material

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