Lasulf LASULF G/30

Polysulfone

LATI S.p.A.

Message:

Compound based on Polysulphone (PSU).
UL94 V-0 classified, halogens free. Glass fibres.
Low smoke toxicity index and optical density. Very high dimensional stability. Low thermal expansion coefficient. Very high thermal resistance.

General Information	
Filler / Reinforcement	Glass Fiber,30% Filler by Weight
Features	Good Dimensional Stability
	Halogen Free
	High Heat Resistance
	Low Optical Density
	Low Smoke Emission

Physical	Nominal Value	Unit	Test Method
Density	1.47	g/cm³	ISO 1183
Molding Shrinkage [1]			ISO 294-4
Across Flow : 2.00 mm	0.45 to 0.60	%	
Flow : 2.00 mm	0.10 to 0.30	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus			ISO 527-2/1
23°C	8000	MPa	
60°C	7700	MPa	
90°C	7500	MPa	
120°C	7300	MPa	
150°C	7000	MPa	
Tensile Stress			ISO 527-2/5
Break, 23°C	135	MPa	
Break, 60°C	130	MPa	
Break, 90°C	115	MPa	
Break, 120°C	105	MPa	
Break, 150°C	90.0	MPa	
Tensile Strain			ISO 527-2/5
Break, 23°C	2.7	%	
Break, 60°C	2.5	%	
Break, 90°C	2.4	%	
Break, 120°C	2.2	%	
Break, 150°C	2.1	%	
Impact	**Nominal Value**	**Unit**	**Test Method**

Charpy Notched Impact Strength (23°C)	10	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	35	kJ/m²	ISO 179/1eU
Notched Izod Impact (23°C, 3.20 mm)	70	J/m	ASTM D256A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, Unannealed	190	°C	ISO 75-2/B
1.8 MPa, Unannealed	185	°C	ISO 75-2/A
Continuous Use Temperature [2]	160	°C	
Vicat Softening Temperature	185	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	6.0E-6	cm/cm/°C	ASTM D696
Electrical	**Nominal Value**	**Unit**	**Test Method**
Comparative Tracking Index [3] (Solution A)	125	V	IEC 60112
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating			UL 94
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	
Oxygen Index	38	%	ASTM D2863
Injection	**Nominal Value**	**Unit**	
Drying Temperature	110 to 130	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	300 to 330	°C	
Mold Temperature	120 to 140	°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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