

Lasulf LASULF

Polysulfone
LATI S.p.A.

Message:

Polysulphone (PSU).
UL94 V-1 classified, halogens free. Product UL certified.
Low smoke toxicity index and optical density. Very high dimensional stability. Low thermal expansion coefficient. Very high thermal resistance.

General Information			
UL YellowCard	E54080-244085		
Features	Good Dimensional Stability		
	Halogen Free		
	High Heat Resistance		
	Low Optical Density		
	Low Smoke Emission		
Physical	Nominal Value	Unit	Test Method
Density	1.23	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.65 to 0.95	%	
Flow : 2.00 mm	0.60 to 0.90	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-2/1
23°C	2500	MPa	
60°C	2300	MPa	
90°C	2200	MPa	
120°C	2000	MPa	
150°C	1900	MPa	
Tensile Stress			ISO 527-2/5
Yield, 23°C	70.0	MPa	
Yield, 60°C	65.0	MPa	
Yield, 90°C	55.0	MPa	
Yield, 120°C	45.0	MPa	
Yield, 150°C	35.0	MPa	
Tensile Strain			ISO 527-2/5
Yield, 23°C	6.0	%	
Yield, 60°C	4.5	%	
Yield, 90°C	4.0	%	
Yield, 120°C	3.5	%	
Yield, 150°C	2.8	%	
Impact	Nominal Value	Unit	Test Method

Charpy Notched Impact Strength			ISO 179/1eA
-20°C	1.5	kJ/m ²	
23°C	5.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	No Break		
23°C	No Break		
Notched Izod Impact (23°C, 3.20 mm)	65	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	180	°C	ISO 75-2/B
1.8 MPa, Unannealed	165	°C	ISO 75-2/A
Continuous Use Temperature ²	150	°C	
Vicat Softening Temperature	175	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	2.5E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index ³ (Solution A)	150	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.50 mm	HB		
3.00 mm	V-1		
Glow Wire Flammability Index			IEC 60695-2-12
1.00 mm	960	°C	
2.00 mm	960	°C	
Oxygen Index	30	%	ASTM D2863
Injection	Nominal Value	Unit	
Drying Temperature	110 to 130	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	290 to 320	°C	
Mold Temperature	110 to 130	°C	
Injection Rate	Fast		
NOTE			
1.	at 60 Mpa of cavity pressure		
2.	20,000 hr		
3.	Without Surfactant		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

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

