

Lapex A G/10

Polyethersulfone

LATI S.p.A.

Message:

Compound based on Polyethersulphone (PES).

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

Low smoke density and low toxicity index. Very high dimensional stability.

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Features	Good Dimensional Stability		
	Halogen Free		
Physical	Nominal Value	Unit	Test Method
Density	1.45	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.80 to 0.95	%	
Flow : 2.00 mm	0.40 to 0.55	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-2/1
23°C	4600	MPa	
60°C	4500	MPa	
90°C	4400	MPa	
120°C	4300	MPa	
150°C	4100	MPa	
Tensile Stress			ISO 527-2/5
Yield, 150°C	75.0	MPa	
Break, 23°C	100	MPa	
Break, 60°C	95.0	MPa	
Break, 90°C	90.0	MPa	
Break, 120°C	75.0	MPa	
Break, 150°C	70.0	MPa	
Tensile Strain			ISO 527-2/5
Yield, 150°C	3.2	%	
Break, 23°C	3.5	%	
Break, 60°C	3.7	%	
Break, 90°C	4.1	%	
Break, 120°C	4.4	%	
Break, 150°C	20	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.5	kJ/m ²	ISO 179/1eA

Charpy Unnotched Impact Strength (23°C)	50	kJ/m ²	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	220	°C	ISO 75-2/B
1.8 MPa, Unannealed	215	°C	ISO 75-2/A
Continuous Use Temperature ²	180	°C	
Vicat Softening Temperature	220	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	1.8E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.50 mm	V-0		
3.00 mm	V-0		
Oxygen Index	39	%	ASTM D2863
Injection	Nominal Value	Unit	
Drying Temperature	150 to 180	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	350 to 370	°C	
Mold Temperature	140 to 165	°C	
Injection Rate	Fast		
NOTE			
1.	at 60 Mpa of cavity pressure		
2.	20,000 hr		

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

