

Larton GCE/650

Polyphenylene Sulfide

LATI S.p.A.

Message:

Compound based on Polyphenylene Sulphide (PPS).

UL94 V-0 classified, halogens free. Glass fibres / Mineral filler. Product UL certified.

Very good chemical resistance. Very good thermal resistance. Low smoke toxicity index and optical density.

General Information			
UL YellowCard	E54080-478996		
Filler / Reinforcement	Glass\Mineral,65% Filler by Weight		
Features	Good Chemical Resistance		
	Halogen Free		
	High Heat Resistance		
	Low Optical Density		
	Low Smoke Emission		
Physical	Nominal Value	Unit	Test Method
Density	1.92	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.15 to 0.30	%	
Flow : 2.00 mm	0.10 to 0.20	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-2/1
23°C	23000	MPa	
60°C	22000	MPa	
90°C	21000	MPa	
120°C	14000	MPa	
150°C	9400	MPa	
Tensile Stress			ISO 527-2/5
Break, 23°C	165	MPa	
Break, 60°C	145	MPa	
Break, 90°C	125	MPa	
Break, 120°C	105	MPa	
Break, 150°C	90.0	MPa	
Tensile Strain			ISO 527-2/5
Break, 23°C	0.80	%	
Break, 60°C	0.90	%	
Break, 90°C	1.0	%	
Break, 120°C	1.6	%	
Break, 150°C	2.3	%	

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.5	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	15	kJ/m ²	ISO 179/1eU
Notched Izod Impact (23°C, 3.20 mm)	60	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	285	°C	ISO 75-2/B
1.8 MPa, Unannealed	275	°C	ISO 75-2/A
Continuous Use Temperature ²	225	°C	
Vicat Softening Temperature	260	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	4.0E-6	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
0.750 mm	V-0		
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	45	%	ASTM D2863
Injection	Nominal Value	Unit	
Drying Temperature	110 to 130	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	290 to 330	°C	
Mold Temperature	130 to 140	°C	
Injection Rate	Moderate-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



WECHAT