

## LATI Larton GCE/600 PPS, Glass/Mineral Reinforced

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS) , Polyphenylene Sulfide (PPS), Mineral/Glass-Fiber Filled

### Material Notes:

Polyphenylene Sulfide (PPS) based compound. Glass fibers / Mineral filler. Very good chemical resistance. Very good thermal properties. Low smoke density and low toxicity index. Availability: Africa & Middle East; Asia Pacific; Europe; Latin America; North America Information provided by Lati Industria Termoplastici S.p.A.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_LATI-Larton-GCE600-PPS-GlassMineral-Reinforced.php](http://www.lookpolymers.com/polymer_LATI-Larton-GCE600-PPS-GlassMineral-Reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.85 g/cc	0.0668 lb/in <sup>3</sup>	
Linear Mold Shrinkage, Flow	0.0010 - 0.0025 cm/cm	0.0010 - 0.0025 in/in	
Linear Mold Shrinkage, Transverse	0.0015 - 0.0030 cm/cm	0.0015 - 0.0030 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	85.0 MPa	12300 psi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	100 MPa	14500 psi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	125 MPa	18100 psi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	145 MPa	21000 psi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	165 MPa	23900 psi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Elongation at Break	0.90 %	0.90 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	1.0 %	1.0 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	1.1 %	1.1 %	

Mechanical Properties	@Temperature 90.0 Metric °C	@Temperature 194 °F English	Comments
	1.7 %	1.7 %	
	@Temperature 120 °C	@Temperature 248 °F	
	2.5 %	2.5 %	
	@Temperature 150 °C	@Temperature 302 °F	
Tensile Modulus	9.10 GPa	1320 ksi	
	@Temperature 150 °C	@Temperature 302 °F	
	11.5 GPa	1670 ksi	
	@Temperature 120 °C	@Temperature 248 °F	
	17.0 GPa	2470 ksi	
	@Temperature 90.0 °C	@Temperature 194 °F	
	18.0 GPa	2610 ksi	
	@Temperature 60.0 °C	@Temperature 140 °F	
	18.7 GPa	2710 ksi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact Unnotched	2.00 J/cm <sup>2</sup>	9.52 ft-lb/in <sup>2</sup>	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	2.00 J/cm <sup>2</sup>	9.52 ft-lb/in <sup>2</sup>	
	@Temperature -20.0 °C	@Temperature -4.00 °F	
Charpy Impact, Notched	0.550 J/cm <sup>2</sup>	2.62 ft-lb/in <sup>2</sup>	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	0.600 J/cm <sup>2</sup>	2.86 ft-lb/in <sup>2</sup>	
	@Temperature -20.0 °C	@Temperature -4.00 °F	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	220 °C	428 °F	
Deflection Temperature at 0.46 MPa (66 psi)	280 °C	536 °F	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	255 Â°C @Load 5.00 kg	491 Â°F @Load 11.0 lb	
Flammability, UL94	V-0 @Thickness 3.00 mm	V-0 @Thickness 0.118 in	
	V-0 @Thickness 1.50 mm	V-0 @Thickness 0.0591 in	
	V-0 @Thickness 0.750 mm	V-0 @Thickness 0.0295 in	
Oxygen Index	45 %	45 %	
Glow Wire Test	960 Â°C @Thickness 1.00 mm	1760 Â°F @Thickness 0.0394 in	GWFI/GWT
	960 Â°C @Thickness 2.00 mm	1760 Â°F @Thickness 0.0787 in	GWFI/GWT

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	150 V	150 V	A solution

Processing Properties	Metric	English	Comments
Melt Temperature	290 - 330 Â°C	554 - 626 Â°F	
Mold Temperature	130 - 140 Â°C	266 - 284 Â°F	
Drying Temperature	130 - 150 Â°C @Time 10800 sec	266 - 302 Â°F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China