

## LATI Larton GK/400 PPS, Glass/Carbon Fiber Reinforced

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS)

### Material Notes:

Polyphenylene Sulfide (PPS) based compound. Glass fibers / Carbon fibers. 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-GK400-PPS-GlassCarbon-Fiber-Reinforced.php](http://www.lookpolymers.com/polymer_LATI-Larton-GK400-PPS-GlassCarbon-Fiber-Reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.59 g/cc	0.0574 lb/in <sup>3</sup>	
Linear Mold Shrinkage, Flow	0.0010 - 0.0020 cm/cm	0.0010 - 0.0020 in/in	
Linear Mold Shrinkage, Transverse	0.0020 - 0.0040 cm/cm	0.0020 - 0.0040 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	85.0 MPa	12300 psi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	105 MPa	15200 psi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	155 MPa	22500 psi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	170 MPa	24700 psi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	190 MPa	27600 psi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Elongation at Break	1.1 %	1.1 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	1.1 %	1.1 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	1.3 %	1.3 %	

Mechanical Properties	@Temperature 90.0 Metric °C	@Temperature 194 °F English	Comments
	1.7 %	1.7 %	
	@Temperature 120 °C	@Temperature 248 °F	
	1.8 %	1.8 %	
	@Temperature 150 °C	@Temperature 302 °F	
Tensile Modulus	9.00 GPa	1310 ksi	
	@Temperature 150 °C	@Temperature 302 °F	
	11.4 GPa	1650 ksi	
	@Temperature 120 °C	@Temperature 248 °F	
	17.7 GPa	2570 ksi	
	@Temperature 90.0 °C	@Temperature 194 °F	
	19.3 GPa	2800 ksi	
	@Temperature 60.0 °C	@Temperature 140 °F	
	22.0 GPa	3190 ksi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact Unnotched	3.00 J/cm <sup>2</sup>	14.3 ft-lb/in <sup>2</sup>	
Charpy Impact, Notched	0.550 J/cm <sup>2</sup>	2.62 ft-lb/in <sup>2</sup>	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	225 °C	437 °F	
Deflection Temperature at 0.46 MPa (66 psi)	280 °C	536 °F	
Deflection Temperature at 1.8 MPa (264 psi)	265 °C	509 °F	
Vicat Softening Point	260 °C	500 °F	
	@Load 5.00 kg	@Load 11.0 lb	

Processing Properties	Metric	English	Comments
Melt Temperature	290 - 320 °C	554 - 608 °F	
Mold Temperature	130 - 140 °C	266 - 284 °F	
	130 - 150 °C	266 - 302 °F	

Driving Temperature Processing Properties	Metric @ Time 10800 sec	English @ Time 3.00 hour	Comments
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Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

## Contact Songhan Plastic Technology Co.,Ltd.

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