

## LATI Larpeek 10 G/60 PEEK, 60% Glass Fiber Reinforced

Category : Polymer , Thermoplastic , Polyketone , Polyetheretherketone (PEEK) , Polyetheretherketone, PEEK, Glass Fiber Filled

### Material Notes:

Polyetheretherketone (PEEK) based compound. Glass 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-Larpeek-10-G60-PEEK-60-Glass-Fiber-Reinforced.php](http://www.lookpolymers.com/polymer_LATI-Larpeek-10-G60-PEEK-60-Glass-Fiber-Reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.82 g/cc	0.0658 lb/in <sup>3</sup>	
Linear Mold Shrinkage, Flow	0.0015 - 0.0035 cm/cm	0.0015 - 0.0035 in/in	
Linear Mold Shrinkage, Transverse	0.0030 - 0.0055 cm/cm	0.0030 - 0.0055 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	160 MPa	23200 psi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	180 MPa	26100 psi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	200 MPa	29000 psi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	215 MPa	31200 psi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	225 MPa	32600 psi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Elongation at Break	1.7 %	1.7 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	1.7 %	1.7 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	1.7 %	1.7 %	

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	21.4 GPa	3100 ksi	
	@Temperature 150 °C	@Temperature 302 °F	
	22.0 GPa	3190 ksi	
	@Temperature 120 °C	@Temperature 248 °F	
	22.4 GPa	3250 ksi	
	@Temperature 90.0 °C	@Temperature 194 °F	
	22.7 GPa	3290 ksi	
	@Temperature 60.0 °C	@Temperature 140 °F	
	23.0 GPa	3340 ksi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact Unnotched	5.00 J/cm <sup>2</sup>	23.8 ft-lb/in <sup>2</sup>	
Charpy Impact, Notched	1.00 J/cm <sup>2</sup>	4.76 ft-lb/in <sup>2</sup>	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	240 °C	464 °F	
Deflection Temperature at 0.46 MPa (66 psi)	>= 300 °C	>= 572 °F	
Deflection Temperature at 1.8 MPa (264 psi)	>= 300 °C	>= 572 °F	
Vicat Softening Point	>= 300 °C	>= 572 °F	
	@Load 5.00 kg	@Load 11.0 lb	
Flammability, UL94	V-1	V-1	
	@Thickness 0.750 mm	@Thickness 0.0295 in	
	V-0	V-0	
	@Thickness 3.00 mm	@Thickness 0.118 in	
	V-0	V-0	

Thermal Properties	Metric @Thickness 1.50 mm	English @Thickness 0.0591 in	Comments
Glow Wire Test	875 Å°C @Thickness 1.00 mm	1610 Å°F @Thickness 0.0394 in	GWIT
	960 Å°C @Thickness 2.00 mm	1760 Å°F @Thickness 0.0787 in	GWFI/GWT

Processing Properties	Metric	English	Comments
Melt Temperature	370 - 400 Å°C	698 - 752 Å°F	
Mold Temperature	170 - 200 Å°C	338 - 392 Å°F	
Drying Temperature	120 - 150 Å°C @Time 10800 sec	248 - 302 Å°F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

## Contact Songhan Plastic Technology Co.,Ltd.

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