

## LATI Latilon 28D G/30 PC, 30% Glass Fiber Reinforced

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, 30% Glass Filled

**Material Notes:**

Polycarbonate (PC) based compound. Glass fibers. Low smoke density and low toxicity index. High dimensional stability. 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-Latilon-28D-G30-PC-30-Glass-Fiber-Reinforced.php](http://www.lookpolymers.com/polymer_LATI-Latilon-28D-G30-PC-30-Glass-Fiber-Reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.44 g/cc	0.0520 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	0.0035 - 0.0055 cm/cm	0.0035 - 0.0055 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	50.0 MPa	7250 psi	
	@Temperature 120 °C	@Temperature 248 °F	
	70.0 MPa	10200 psi	
	@Temperature 90.0 °C	@Temperature 194 °F	
Tensile Strength at Break	80.0 MPa	11600 psi	
	@Temperature 60.0 °C	@Temperature 140 °F	
	90.0 MPa	13100 psi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Elongation at Break	1.4 %	1.4 %	
	@Temperature 60.0 °C	@Temperature 140 °F	
	1.5 %	1.5 %	
	@Temperature 90.0 °C	@Temperature 194 °F	
Elongation at Break	1.5 %	1.5 %	
	@Temperature 120 °C	@Temperature 248 °F	
	1.7 %	1.7 %	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Tensile Modulus	6.20 GPa	899 ksi	
	@Temperature 120 °C	@Temperature 248 °F	

Mechanical Properties	7.00 GPa Metric	1020 ksi English	Comments
	@Temperature 90.0 °C	@Temperature 194 °F	
	7.50 GPa	1090 ksi	
	@Temperature 60.0 °C	@Temperature 140 °F	
	8.00 GPa	1160 ksi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact Unnotched	3.20 J/cm <sup>2</sup>	15.2 ft-lb/in <sup>2</sup>	
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	4.00 J/cm <sup>2</sup>	19.0 ft-lb/in <sup>2</sup>	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	0.680 J/cm <sup>2</sup>	3.24 ft-lb/in <sup>2</sup>	
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	1.00 J/cm <sup>2</sup>	4.76 ft-lb/in <sup>2</sup>	
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	135 °C	275 °F	
Deflection Temperature at 0.46 MPa (66 psi)	140 °C	284 °F	
Deflection Temperature at 1.8 MPa (264 psi)	135 °C	275 °F	
Vicat Softening Point	145 °C	293 °F	
	@Load 5.00 kg	@Load 11.0 lb	
Flammability, UL94	V-1	V-1	
	@Thickness 1.50 mm	@Thickness 0.0591 in	
Oxygen Index	31 %	31 %	

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

Processing Properties	Metric	English	Comments
Melt Temperature	280 - 300 °C	536 - 572 °F	
Mold Temperature	100 - 120 °C	212 - 248 °F	

Processing Properties	120 - 130 °C Metric	248 - 266 °F English	Comments
Drying Temperature	@Time 10800 sec	@Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

## Contact Songhan Plastic Technology Co.,Ltd.

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