

LATI Latilon 28D G/20-V0 PC, 20% Glass Fiber Reinforced, Flame Retardant

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, 20% Glass Filled , Polycarbonate, Glass Fiber Filled, Flame Retardant

Material Notes:

Polycarbonate (PC) based compound. Glass fibers. UL94 V-0 classified, brominated and chlorinated halogens-based flame retardants free.

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-G20-V0-PC-20-Glass-Fiber-Reinforced-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.33 g/cc	0.0480 lb/in ³	
Linear Mold Shrinkage, Flow	0.0020 - 0.0040 cm/cm	0.0020 - 0.0040 in/in	
Linear Mold Shrinkage, Transverse	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	60.0 MPa	8700 psi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	70.0 MPa	10200 psi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	85.0 MPa	12300 psi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
Elongation at Break	95.0 MPa	13800 psi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	1.5 %	1.5 %	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	1.5 %	1.5 %	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	1.6 %	1.6 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	1.8 %	1.8 %	

Mechanical Properties	@Temperature 23.0 Metric °C	@Temperature 73.4 °F English	Comments
Tensile Modulus	4.50 GPa	653 ksi	
	@Temperature 120 °C	@Temperature 248 °F	
	5.70 GPa	827 ksi	
	@Temperature 90.0 °C	@Temperature 194 °F	
	6.00 GPa	870 ksi	
	@Temperature 60.0 °C	@Temperature 140 °F	
	6.50 GPa	943 ksi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact Unnotched	4.00 J/cm ²	19.0 ft-lb/in ²	
Charpy Impact, Notched	1.00 J/cm ²	4.76 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	130 °C	266 °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	140 °C	284 °F	
	@Load 5.00 kg	@Load 11.0 lb	
Flammability, UL94	V-0	V-0	
	@Thickness 3.00 mm	@Thickness 0.118 in	
	V-0	V-0	
	@Thickness 1.50 mm	@Thickness 0.0591 in	

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

Processing Properties	Metric	English	Comments
Melt Temperature	270 - 290 °C	518 - 554 °F	
Mold Temperature	100 - 120 °C	212 - 248 °F	

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

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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