

LATI Latilon 28D PC

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

Polycarbonate (PC). Unfilled. Low smoke density and low toxicity index. Very high dimensional stability. Very good surface appearanceAvailability: Africa & Middle East; Asia Pacific; Europe; Latin America; North AmericaInformation provided by Lati Industria Termoplastici S.p.A.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LATI-Latilon-28D-PC.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in ³	
Linear Mold Shrinkage, Flow	0.0070 - 0.0090 cm/cm	0.0070 - 0.0090 in/in	
Linear Mold Shrinkage, Transverse	0.0070 - 0.0090 cm/cm	0.0070 - 0.0090 in/in	

Mechanical Properties	Metric	English	Comments
Elongation at Break	>= 100 %	>= 100 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	>= 100 %	>= 100 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
Elongation at Yield	>= 100 %	>= 100 %	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	>= 100 %	>= 100 %	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
Elongation at Yield	2.5 %	2.5 %	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	3.5 %	3.5 %	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
Elongation at Yield	4.5 %	4.5 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
Elongation at Yield	6.0 %	6.0 %	

Mechanical Properties	Metric	English	Comments
Tensile Modulus	1.60 GPa	232 ksi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	1.80 GPa	261 ksi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	2.10 GPa	305 ksi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	2.40 GPa	348 ksi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact Unnotched	NB	NB	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	NB	NB	
	@Temperature -20.0 Â°C	@Temperature -4.00 Â°F	
Charpy Impact, Notched	0.800 J/cmÂ²	3.81 ft-lb/inÂ²	
	@Temperature -20.0 Â°C	@Temperature -4.00 Â°F	
	1.00 J/cmÂ²	4.76 ft-lb/inÂ²	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	120 Â°C	248 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	125 Â°C	257 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	120 Â°C	248 Â°F	
Vicat Softening Point	135 Â°C	275 Â°F	
	@Load 5.00 kg	@Load 11.0 lb	
Oxygen Index	26 %	26 %	

Processing Properties	Metric	English	Comments
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Melt Temperature Processing Properties	270 - 290 Â°C Metric	518 - 554 Â°F English	Comments
Mold Temperature	100 - 120 Â°C	212 - 248 Â°F	
Drying Temperature	120 - 130 Â°C @Time 10800 sec	248 - 266 Â°F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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