

## LATI Latilon 28D-V0 PC, Flame Retardant

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, Molded

### Material Notes:

Polycarbonate (PC) based compound. UL94 V-0 classified, brominated and chlorinated halogens-based flame retardants free. Low smoke density and low toxicity index. Very high dimensional stability. Very good surface appearance. 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-V0-PC-Flame-Retardant.php](http://www.lookpolymers.com/polymer_LATI-Latilon-28D-V0-PC-Flame-Retardant.php)

Physical Properties	Metric	English	Comments
Density	1.21 g/cc	0.0437 lb/in <sup>3</sup>	
Linear Mold Shrinkage, Flow	0.0055 - 0.0075 cm/cm	0.0055 - 0.0075 in/in	
Linear Mold Shrinkage, Transverse	0.0060 - 0.0075 cm/cm	0.0060 - 0.0075 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	23.0 MPa	3340 psi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	25.0 MPa	3630 psi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	30.0 MPa	4350 psi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
Elongation at Break	50.0 MPa	7250 psi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	70 %	70 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	80 %	80 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	>= 100 %	>= 100 %	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	>= 100 %	>= 100 %	

Mechanical Properties	Metric @ Temperature 120 Â°C	English @ Temperature 248 Â°F	Comments
Elongation at Yield	2.5 %	2.5 %	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	3.0 %	3.0 %	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
Tensile Modulus	4.0 %	4.0 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	5.0 %	5.0 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
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	
Tensile Modulus	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	
Charpy Impact Unnotched	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	
Charpy Impact, Notched	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)	135 Â°C	275 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	130 Â°C	266 Â°F	
Vicat Softening Point	140 Â°C @Load 5.00 kg	284 Â°F @Load 11.0 lb	
Flammability, UL94	V-2 @Thickness 1.50 mm	V-2 @Thickness 0.0591 in	
	V-2 @Thickness 0.750 mm	V-2 @Thickness 0.0295 in	
	V-0 @Thickness 3.00 mm	V-0 @Thickness 0.118 in	
Oxygen Index	37 %	37 %	
Glow Wire Test	850 Â°C @Thickness 1.00 mm	1560 Â°F @Thickness 0.0394 in	GWFI/GWT

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	200 V	200 V	A solution

Processing Properties	Metric	English	Comments
Melt Temperature	260 - 290 Â°C	500 - 554 Â°F	
Mold Temperature	90.0 - 110 Â°C	194 - 230 Â°F	
Drying Temperature	120 - 130 Â°C	248 - 266 Â°F	
	@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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