

LATI Latilon 30D-V0 PC, Flame Retardant

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, Unreinforced, Flame Retardant

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-30D-V0-PC-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.21 g/cc	0.0437 lb/in ³	
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	35.0 MPa	5080 psi	
	@Temperature 60.0 °C	@Temperature 140 °F	
	55.0 MPa	7980 psi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Elongation at Break	70 %	70 %	
	@Temperature 60.0 °C	@Temperature 140 °F	
	80 %	80 %	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	>= 100 %	>= 100 %	
	@Temperature 90.0 °C	@Temperature 194 °F	
	>= 100 %	>= 100 %	
	@Temperature 120 °C	@Temperature 248 °F	
Elongation at Yield	2.5 %	2.5 %	
	@Temperature 120 °C	@Temperature 248 °F	
	4.0 %	4.0 %	
	@Temperature 90.0 °C	@Temperature 194 °F	
	6.0 %	6.0 %	
	@Temperature 60.0 °C	@Temperature 140 °F	

Mechanical Properties	Metric	English	Comments
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Tensile Modulus	1.70 GPa	247 ksi	
	@Temperature 120 °C	@Temperature 248 °F	
	1.90 GPa	276 ksi	
	@Temperature 90.0 °C	@Temperature 194 °F	
	2.20 GPa	319 ksi	
	@Temperature 60.0 °C	@Temperature 140 °F	
	2.50 GPa	363 ksi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact Unnotched	NB	NB	
Charpy Impact, Notched	1.50 J/cm²	7.14 ft-lb/in²	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	120 °C	248 °F	
Deflection Temperature at 0.46 MPa (66 psi)	135 °C	275 °F	
Deflection Temperature at 1.8 MPa (264 psi)	130 °C	266 °F	
Vicat Softening Point	140 °C	284 °F	
	@Load 5.00 kg	@Load 11.0 lb	
Flammability, UL94	V-2	V-2	
	@Thickness 0.750 mm	@Thickness 0.0295 in	
	V-0	V-0	
	@Thickness 1.50 mm	@Thickness 0.0591 in	
Oxygen Index	36 %	36 %	

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

Processing Properties	Metric	English	Comments
Melt Temperature	260 - 290 °C	500 - 554 °F	

Mold Temperature Processing Properties	90.0 - 110 °C Metric	194 - 230 °F English	Comments
Drying Temperature	120 - 130 °C @Time 10800 sec	248 - 266 °F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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