Latilon 28D G/20-V0

Polycarbonate

LATI S.p.A.

Message:

Compound based on Polycarbonate (PC).
Glass fibres. UL94 V-0 classified. Product UL certified.
Low smoke toxicity index and optical density. High dimensional stability.

General Information	
UL YellowCard	E54080-513702
Filler / Reinforcement	Glass Fiber,20% Filler by Weight
Features	Good Dimensional Stability
	Low Optical Density
	Low Smoke Emission

Physical	Nominal Value	Unit	Test Method
Density	1.33	g/cm³	ISO 1183
Molding Shrinkage [1]			ISO 294-4
Across Flow : 2.00 mm	0.40 to 0.60	%	
Flow : 2.00 mm	0.20 to 0.40	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus			ISO 527-2/1
23°C	6500	MPa	
60°C	6000	MPa	
90°C	5700	MPa	
120°C	4500	MPa	
Tensile Stress			ISO 527-2/5
Break, 23°C	95.0	MPa	
Break, 60°C	85.0	MPa	
Break, 90°C	70.0	MPa	
Break, 120°C	60.0	MPa	
Tensile Strain			ISO 527-2/5
Break, 23°C	1.8	%	
Break, 60°C	1.6	%	
Break, 90°C	1.5	%	
Break, 120°C	1.5	%	
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	10	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	40	kJ/m²	ISO 179/1eU
Notched Izod Impact (23°C, 3.20 mm)	140	J/m	ASTM D256A
Thermal	**Nominal Value**	**Unit**	**Test Method**

Heat Deflection Temperature			
0.45 MPa, Unannealed	140	°C	ISO 75-2/B
1.8 MPa, Unannealed	135	°C	ISO 75-2/A
Continuous Use Temperature [2]	130	°C	
Vicat Softening Temperature	140	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	1.5E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index [3] (Solution A)	150	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.50 mm	V-0		
3.00 mm	V-0		
Injection	Nominal Value	Unit	
Drying Temperature	120 to 130	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	270 to 290	°C	
Mold Temperature	100 to 120	°C	
Injection Rate	Fast		
NOTE			
1.	at 60 Mpa of cavity pressure		
2.	20,000 hr		
3.	Without Surfactant		

Recommended distributors for this material

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