

Latilon 28D-V0

Polycarbonate

LATI S.p.A.

Message:

Compound based on Polycarbonate (PC).

UL94 V-0 classified, with halogens, PBB/PBDE and antimony trioxide free. Product UL certified.

Low smoke toxicity index and optical density. Very high dimensional stability. Very good surface appearance.

General Information	
UL YellowCard	E54080-244043
Additive	Flame Retardant
Features	Antimony Free
	Flame Retardant
	Halogenated
	Low Optical Density
	Low Smoke Emission

Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.60 to 0.75	%	
Flow : 2.00 mm	0.60 to 0.75	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-2/1
23°C	2400	MPa	
60°C	2100	MPa	
90°C	1800	MPa	
120°C	1600	MPa	
Tensile Stress			ISO 527-2/5
Yield, 23°C	65.0	MPa	
Yield, 60°C	60.0	MPa	
Yield, 90°C	50.0	MPa	
Yield, 120°C	35.0	MPa	
Break, 23°C	50.0	MPa	
Break, 60°C	30.0	MPa	
Break, 90°C	25.0	MPa	
Break, 120°C	23.0	MPa	
Tensile Strain			ISO 527-2/5
Yield, 23°C	5.0	%	
Yield, 60°C	4.0	%	
Yield, 90°C	3.0	%	

Yield, 120°C	2.5	%	
Break, 23°C	80	%	
Break, 60°C	70	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	8.0	kJ/m ²	
23°C	10	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	No Break		
23°C	No Break		
Notched Izod Impact (23°C, 3.20 mm)	110	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	135	°C	ISO 75-2/B
1.8 MPa, Unannealed	130	°C	ISO 75-2/A
Continuous Use Temperature ²	120	°C	
Vicat Softening Temperature	140	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	3.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index ³ (Solution A)	200	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.750 mm	V-2		
1.50 mm	V-2		
3.00 mm	V-0		
Glow Wire Flammability Index (1.00 mm)	850	°C	IEC 60695-2-12
Oxygen Index	37	%	ASTM D2863
Injection	Nominal Value	Unit	
Drying Temperature	120 to 130	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	260 to 290	°C	
Mold Temperature	90.0 to 110	°C	
Injection Rate	Moderate		
NOTE			
1.	at 60 Mpa of cavity pressure		
2.	20,000 hr		
3.	Without Surfactant		

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