

Latilon 28D G/30

Polycarbonate

LATI S.p.A.

Message:

Compound based on Polycarbonate (PC).

Glass fibres. Product UL certified.

Low smoke toxicity index and optical density. High dimensional stability.

General Information			
UL YellowCard	E54080-244042		
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Good Dimensional Stability		
	Low Optical Density		
	Low Smoke Emission		

Physical	Nominal Value	Unit	Test Method
Density	1.44	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.35 to 0.55	%	
Flow : 2.00 mm	0.15 to 0.35	%	

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-2/1
23°C	8000	MPa	
60°C	7500	MPa	
90°C	7000	MPa	
120°C	6200	MPa	
Tensile Stress			ISO 527-2/5
Break, 23°C	100	MPa	
Break, 60°C	85.0	MPa	
Break, 90°C	70.0	MPa	
Break, 120°C	50.0	MPa	
Tensile Strain			ISO 527-2/5
Break, 23°C	1.7	%	
Break, 60°C	1.4	%	
Break, 90°C	1.5	%	
Break, 120°C	1.5	%	

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	6.8	kJ/m ²	
23°C	7.5	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU

-20°C	30	kJ/m ²	
23°C	30	kJ/m ²	
Notched Izod Impact (23°C, 3.20 mm)	80	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	135	°C	
Vicat Softening Temperature	145	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	1.0E-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 (1.50 mm)	V-1		UL 94
Oxygen Index	31	%	ASTM D2863
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		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

