

Latamid 6 H2 G/30-V0CT1

Polyamide 6

LATI S.p.A.

Message:

Compound based on Polyamide 6 (PA 6).

Heat stabilised. Glass fibres. UL94 V-0 classified, with halogens, PBB/PBDE free. Product UL certified.

General Information			
UL YellowCard	E54080-243976	E54080-243977	
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Flame Retardant		
	Heat Stabilizer		
Features	Flame Retardant		
	Heat Stabilized		

Physical	Nominal Value	Unit	Test Method
Density	1.54	g/cm³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.50 to 0.70	%	
Flow : 2.00 mm	0.25 to 0.45	%	

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-2/1
23°C	11000	MPa	
60°C	7400	MPa	
90°C	5100	MPa	
120°C	4200	MPa	
150°C	3600	MPa	
Tensile Stress			ISO 527-2/5
Break, 23°C	125	MPa	
Break, 60°C	80.0	MPa	
Break, 90°C	60.0	MPa	
Break, 120°C	50.0	MPa	
Break, 150°C	40.0	MPa	
Tensile Strain			ISO 527-2/5
Break, 23°C	2.0	%	
Break, 60°C	4.5	%	
Break, 90°C	6.0	%	
Break, 120°C	7.0	%	
Break, 150°C	7.0	%	

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	7.0	kJ/m ²	
23°C	8.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	35	kJ/m ²	
23°C	40	kJ/m ²	
Notched Izod Impact (23°C, 3.20 mm)	90	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	215	°C	ISO 75-2/B
1.8 MPa, Unannealed	185	°C	ISO 75-2/A
Continuous Use Temperature ²	95.0	°C	
Vicat Softening Temperature	195	°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)	400	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.750 mm	V-0		
1.50 mm	V-0		
3.00 mm	V-0		
Glow Wire Flammability Index			IEC 60695-2-12
1.00 mm	960	°C	
2.00 mm	960	°C	
Glow Wire Ignition Temperature			IEC 60695-2-13
1.00 mm	800	°C	
2.00 mm	800	°C	
Oxygen Index	28	%	ASTM D2863
Injection	Nominal Value	Unit	
Drying Temperature	90.0 to 100	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	240 to 260	°C	
Mold Temperature	70.0 to 100	°C	
Injection Rate	Moderate		
NOTE			
1.	at 60 Mpa of cavity pressure		
2.	20,000 hr		
3.	Without Surfactant		

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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



WECHAT