

Latamid 6 H2 G/30-V0AF

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 and antimonium trioxide free.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Flame Retardant		
	Heat Stabilizer		
Features	Antimony Free		
	Flame Retardant		
	Halogenated		
	Heat Stabilized		
Physical	Nominal Value	Unit	Test Method
Density	1.66	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.55 to 0.75	%	
Flow : 2.00 mm	0.30 to 0.50	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-2/1
23°C	11000	MPa	
60°C	7800	MPa	
90°C	5300	MPa	
120°C	4300	MPa	
150°C	3600	MPa	
Tensile Stress			ISO 527-2/5
Break, 23°C	130	MPa	
Break, 60°C	90.0	MPa	
Break, 90°C	65.0	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	5.0	%	
Break, 90°C	7.0	%	
Break, 120°C	8.0	%	

Break, 150°C	8.0	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	8.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	45	kJ/m ²	ISO 179/1eU
Notched Izod Impact (23°C, 3.20 mm)	100	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	190	°C	ISO 75-2/A
Continuous Use Temperature ²	95.0	°C	
Vicat Softening Temperature	210	°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)	525	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.750 mm	V-2		
1.50 mm	V-0		
3.00 mm	V-0		
Glow Wire Flammability Index			IEC 60695-2-12
1.00 mm	925	°C	
2.00 mm	960	°C	
Glow Wire Ignition Temperature			IEC 60695-2-13
1.00 mm	850	°C	
2.00 mm	850	°C	
Oxygen Index	29	%	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		

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

