

Latamid 6 H2 G/30-V0HF1

Polyamide 6

LATI S.p.A.

Message:

Compound based on Polyamide 6 (PA 6).
Heat stabilised. Glass fibres. UL94 V-0 classified, halogens and red phosphorous free. Product UL certified.
Very good electrical properties.

General Information		
UL YellowCard	E54080-243976	E54080-631241
Filler / Reinforcement	Glass Fiber,30% Filler by Weight	
Additive	Heat Stabilizer	
Features	Good Electrical Properties	
	Halogen Free	
	Heat Stabilized	
	Low (to None) Phosphorus Content	

Physical	Nominal Value	Unit	Test Method
Density	1.40	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.65 to 0.90	%	
Flow : 2.00 mm	0.35 to 0.55	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-2/1
23°C	10500	MPa	
60°C	7500	MPa	
90°C	4600	MPa	
120°C	3800	MPa	
150°C	3400	MPa	
Tensile Stress			ISO 527-2/5
Break, 23°C	145	MPa	
Break, 60°C	95.0	MPa	
Break, 90°C	75.0	MPa	
Break, 120°C	70.0	MPa	
Break, 150°C	60.0	MPa	
Tensile Strain			ISO 527-2/5
Break, 23°C	3.2	%	
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)	10	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	70	kJ/m ²	ISO 179/1eU
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	220	°C	ISO 75-2/B
1.8 MPa, Unannealed	210	°C	ISO 75-2/A
Continuous Use Temperature ²	100	°C	
Vicat Softening Temperature	215	°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)	600	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	32	%	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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