

Latamid H2 G/25-V0KB3

Polyamide 66

LATI S.p.A.

Message:

Compound based on Polyamide 66 (PA 66).
Heat stabilised. Glass fibres. UL94 V-0 classified, with red phosphorous. Product UL certified.

General Information			
Filler / Reinforcement	Glass Fiber,25% Filler by Weight		
Additive	Flame Retardant		
	Heat Stabilizer		
Features	Flame Retardant		
	Heat Stabilized		

Physical	Nominal Value	Unit	Test Method
Density	1.33	g/cm³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.75 to 1.0	%	
Flow : 2.00 mm	0.75 to 1.0	%	

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-2/1
23°C	8200	MPa	
60°C	6900	MPa	
90°C	4200	MPa	
120°C	3500	MPa	
150°C	2700	MPa	
Tensile Stress			ISO 527-2/5
Yield, 90°C	70.0	MPa	
Yield, 120°C	50.0	MPa	
Yield, 150°C	40.0	MPa	
Break, 23°C	135	MPa	
Break, 60°C	100	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
Yield, 90°C	3.7	%	
Yield, 120°C	3.8	%	
Yield, 150°C	4.1	%	

Break, 23°C	2.2	%	
Break, 60°C	2.6	%	
Break, 90°C	4.2	%	
Break, 120°C	4.2	%	
Break, 150°C	4.7	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	7.0	kJ/m ²	
23°C	10	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	50	kJ/m ²	
23°C	60	kJ/m ²	
Notched Izod Impact			ASTM D256A
-20°C, 3.20 mm	65	J/m	
23°C, 3.20 mm	95	J/m	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	255	°C	ISO 75-2/B
1.8 MPa, Unannealed	225	°C	ISO 75-2/A
Continuous Use Temperature ²	125	°C	
Vicat Softening Temperature	240	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	1.2E-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	HB		
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	
Oxygen Index	26	%	ASTM D2863
Injection	Nominal Value	Unit	
Drying Temperature	90.0 to 100	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	260 to 280	°C	
Mold Temperature	70.0 to 100	°C	
Injection Rate	Moderate		
NOTE			
1.	at 60 MPa of cavity pressure		
2.	20,000 hr		

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