

Latamid 66 H2 G/25-V0HF1

Polyamide 66

LATI S.p.A.

Message:

Compound based on Polyamide 66 (PA 66).
Heat stabilised. Glass fibres. UL94 V-0 classified, halogens and red phosphorous free. Product UL certified.
Very good mechanical properties. Very good electrical properties.

General Information			
UL YellowCard	E54080-243992	E54080-243999	E54080-499584
	E54080-101361746	E54080-101361747	
Filler / Reinforcement	Glass Fiber,25% 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	0.80 to 1.2	%	
Flow : 2.00 mm	0.40 to 0.70	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-2/1
23°C	9500	MPa	
60°C	6800	MPa	
90°C	4200	MPa	
120°C	3500	MPa	
150°C	3100	MPa	
Tensile Stress			ISO 527-2/5
Break, 23°C	150	MPa	
Break, 60°C	105	MPa	
Break, 90°C	80.0	MPa	
Break, 120°C	75.0	MPa	
Break, 150°C	65.0	MPa	
Tensile Strain			ISO 527-2/5
Break, 23°C	3.0	%	
Break, 60°C	4.4	%	
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 (23°C)	8.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	75	kJ/m ²	ISO 179/1eU
Notched Izod Impact (23°C, 3.20 mm)	95	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	255	°C	ISO 75-2/B
1.8 MPa, Unannealed	240	°C	ISO 75-2/A
Continuous Use Temperature ²	115	°C	
Vicat Softening Temperature	240	°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)	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	850	°C	
2.00 mm	960	°C	
Glow Wire Ignition Temperature			IEC 60695-2-13
1.00 mm	775	°C	
2.00 mm	775	°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	270 to 290	°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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