Latamid 66 H2 G/50-V0KB1

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.

General Information			
UL YellowCard	E54080-244010		
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Agency Ratings	UL Unspecified Rating		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.56	g/cm³	ISO 1183
Molding Shrinkage [1]			ISO 294-4
Across Flow : 2.00 mm	0.70 to 0.95	%	
Flow : 2.00 mm	0.25 to 0.55	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus			ISO 527-2/1
23°C	13500	MPa	
60°C	8500	MPa	
90°C	7200	MPa	
120°C	6000	MPa	
150°C	4500	MPa	
Tensile Stress			ISO 527-2/5
Break, 23°C	180	MPa	
Break, 60°C	125	MPa	
Break, 90°C	100	MPa	
Break, 120°C	80.0	MPa	
Break, 150°C	65.0	MPa	
Tensile Strain			ISO 527-2/5
Break, 23°C	2.2	%	
Break, 60°C	3.2	%	
Break, 90°C	3.5	%	
Break, 120°C	3.7	%	
Break, 150°C	3.8	%	
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	9.0	kJ/m²	

23°C	10	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	65	kJ/m²	
23°C	65	kJ/m²	
Notched Izod Impact			ASTM D256A
-20°C, 3.20 mm	90	J/m	
23°C, 3.20 mm	130	J/m	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, Unannealed	265	°C	ISO 75-2/B
1.8 MPa, Unannealed	245	°C	ISO 75-2/A
Continuous Use Temperature [2]	130	°C	
Vicat Softening Temperature	255	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	4.0E-6	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	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		

Recommended distributors for this material

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