Latamid 66 H2 G/35-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. Product UL certified.

General Information			
UL YellowCard	E54080-243993	E54080-244005	E54080-244007
Filler / Reinforcement	Glass Fiber,35% Filler by Weight		
Additive	Flame Retardant Heat Stabilizer		
Features	Flame Retardant Heat Stabilized		

Physical	Nominal Value	Unit	Test Method
Density	1.45	g/cm³	ISO 1183
Molding Shrinkage [1]			ISO 294-4
Across Flow : 2.00 mm	0.75 to 1.0	%	
Flow : 2.00 mm	0.30 to 0.60	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus			ISO 527-2/1
23°C	11000	MPa	
60°C	9600	MPa	
90°C	6300	MPa	
120°C	5300	MPa	
150°C	4400	MPa	
Tensile Stress			ISO 527-2/5
Break, 23°C	185	MPa	
Break, 60°C	140	MPa	
Break, 90°C	105	MPa	
Break, 120°C	85.0	MPa	
Break, 150°C	75.0	MPa	
Tensile Strain			ISO 527-2/5
Break, 23°C	2.5	%	
Break, 60°C	3.1	%	
Break, 90°C	4.0	%	
Break, 120°C	4.5	%	
Break, 150°C	4.7	%	

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	10	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	70	kJ/m²	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	260	°C	ISO 75-2/B
1.8 MPa, Unannealed	255	°C	ISO 75-2/A
Continuous Use Temperature [2]	125	°C	
Vicat Softening Temperature	250	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	7.0E-6	cm/cm/°C	ASTM D696
Electrical	**Nominal Value**	**Unit**	**Test Method**
Comparative Tracking Index [3] (Solution A)	450	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	27	%	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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