

Latamid 66 H2 G/35-V0KB3

Polyamide 66

LATI S.p.A.

Message:

Polyamide 66 (PA66) based compound.
Heat stabilised. Glass fibres. UL94 V-0 classified, with red phosphorous. Improved tribological properties.

General Information			
Filler / Reinforcement	Glass Fiber,35% Filler by Weight		
Additive	Heat Stabilizer		
Features	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	%	
Water Absorption (23°C, 24 hr)	0.26	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-2/1
23°C	9800	MPa	
60°C	8100	MPa	
90°C	4900	MPa	
120°C	3900	MPa	
150°C	3100	MPa	
Tensile Stress			ISO 527-2/5
Break, 23°C	145	MPa	
Break, 60°C	110	MPa	
Break, 90°C	70.0	MPa	
Break, 120°C	55.0	MPa	
Break, 150°C	45.0	MPa	
Tensile Strain			ISO 527-2/5
Break, 23°C	2.2	%	
Break, 60°C	2.4	%	
Break, 90°C	3.9	%	
Break, 120°C	4.0	%	
Break, 150°C	4.3	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	10	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	100	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature			
0.45 MPa, Unannealed	260	°C	ISO 75-2/B
1.8 MPa, Unannealed	250	°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)	8.0E-6	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (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	725	°C	
2.00 mm	775	°C	
Oxygen Index	27	%	ASTM D2863
Additional Information	Nominal Value		
Dimensional Stability	54.0		
Injection	Nominal Value	Unit	
Drying Temperature	90.0 to 100	°C	
Drying Time	3.0	hr	
Suggested Max Regrind	15	%	
Processing (Melt) Temp	270 to 290	°C	
Mold Temperature	70.0 to 100	°C	
Injection Rate	Moderate		
NOTE			
1.	60 MPa		
2.	20,000 hr		

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