

Latamid 66 VH2 G/30

Polyamide 66

LATI S.p.A.

Message:

Compound based on Polyamide 66 (PA 66). Improved thermal stabilisation. Glass fibres. Product UL certified.

General Information			
UL YellowCard	E54080-244018	E54080-514552	
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.37	g/cm³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.75 to 1.1	%	
Flow : 2.00 mm	0.35 to 0.65	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-2/1
23°C	10400	MPa	
60°C	6200	MPa	
90°C	5000	MPa	
120°C	3800	MPa	
150°C	3300	MPa	
Tensile Stress			ISO 527-2/5
Yield, 60°C	105	MPa	
Yield, 90°C	85.0	MPa	
Yield, 120°C	75.0	MPa	
Yield, 150°C	65.0	MPa	
Break, 23°C	150	MPa	
Break, 60°C	100	MPa	
Break, 90°C	80.0	MPa	
Break, 120°C	70.0	MPa	
Break, 150°C	65.0	MPa	
Tensile Strain			ISO 527-2/5
Yield, 60°C	4.0	%	
Yield, 90°C	5.0	%	
Yield, 120°C	6.0	%	
Yield, 150°C	6.0	%	
Break, 23°C	2.5	%	

Break, 60°C	4.5	%	
Break, 90°C	5.0	%	
Break, 120°C	6.0	%	
Break, 150°C	6.0	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	5.0	kJ/m ²	
23°C	7.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	50	kJ/m ²	
23°C	55	kJ/m ²	
Notched Izod Impact			ASTM D256A
-20°C, 3.20 mm	55	J/m	
23°C, 3.20 mm	75	J/m	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	260	°C	ISO 75-2/B
1.8 MPa, Unannealed	240	°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)	8.0E-6	cm/cm/°C	ASTM D696
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.750 mm	HB		
1.50 mm	HB		
3.00 mm	HB		
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	80.0 to 100	°C	
Injection Rate	Moderate		
NOTE			
1.	at 60 Mpa of cavity pressure		
2.	20,000 hr		

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