

Latamid 66 B G/20-V

Polyamide 66

LATI S.p.A.

Message:

Compound based on Polyamide 66 (PA 66).

High fluidity. Glass fibres. Flame retardant, non classifiable. Product UL certified.

General Information			
UL YellowCard	E54080-243990		
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
	High Flow		

Physical	Nominal Value	Unit	Test Method
Density	1.52	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.70 to 1.0	%	
Flow : 2.00 mm	0.25 to 0.45	%	

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-2/1
23°C	8100	MPa	
60°C	5800	MPa	
90°C	4000	MPa	
120°C	3200	MPa	
150°C	2400	MPa	
Tensile Stress			ISO 527-2/5
Yield, 60°C	75.0	MPa	
Yield, 90°C	60.0	MPa	
Yield, 120°C	50.0	MPa	
Yield, 150°C	45.0	MPa	
Break, 23°C	115	MPa	
Break, 60°C	75.0	MPa	
Break, 90°C	60.0	MPa	
Break, 120°C	50.0	MPa	
Break, 150°C	40.0	MPa	
Tensile Strain			ISO 527-2/5
Yield, 60°C	3.0	%	
Yield, 90°C	4.5	%	
Yield, 120°C	4.8	%	

Yield, 150°C	6.0	%	
Break, 23°C	2.5	%	
Break, 60°C	4.0	%	
Break, 90°C	5.0	%	
Break, 120°C	5.0	%	
Break, 150°C	6.0	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	2.8	kJ/m ²	
23°C	3.5	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	25	kJ/m ²	
23°C	30	kJ/m ²	
Notched Izod Impact			ASTM D256A
-20°C, 3.20 mm	30	J/m	
23°C, 3.20 mm	40	J/m	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	235	°C	ISO 75-2/B
1.8 MPa, Unannealed	210	°C	ISO 75-2/A
Continuous Use Temperature ²	90.0	°C	
Vicat Softening Temperature	220	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	2.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index ³ (Solution A)	250	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	
Oxygen Index	33	%	ASTM D2863
Injection	Nominal Value	Unit	
Drying Temperature	90.0 to 100	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	250 to 270	°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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