

Latigloss 66 H2 G/50-V0

Polyamide 66

LATI S.p.A.

Message:

Compound based on Polyamide 66 (PA 66).

Heat stabilised. Glass fibres. UL94 V-0 classified, with halogens, PBB/PBDE free.

PHYSICAL PROPERTIES - Typical values STANDARD

General Information			
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
Additive	Halogen		
	Heat Stabilizer		
Features	Halogenated		
	Heat Stabilized		
Physical	Nominal Value	Unit	Test Method
Density	1.83	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.55 to 0.80	%	
Flow : 2.00 mm	0.25 to 0.45	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-2/1
23°C	22000	MPa	
60°C	15500	MPa	
90°C	10000	MPa	
120°C	7800	MPa	
150°C	6000	MPa	
Tensile Stress			ISO 527-2/5
Break, 23°C	210	MPa	
Break, 60°C	170	MPa	
Break, 90°C	135	MPa	
Break, 120°C	115	MPa	
Break, 150°C	100	MPa	
Tensile Strain			ISO 527-2/5
Break, 23°C	1.8	%	
Break, 60°C	3.0	%	
Break, 90°C	3.5	%	
Break, 120°C	3.8	%	
Break, 150°C	4.0	%	
Impact	Nominal Value	Unit	Test Method

Charpy Notched Impact Strength (23°C)	8.5	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	55	kJ/m ²	ISO 179/1eU
Notched Izod Impact (23°C)	110	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	255	°C	ISO 75-2/B
1.8 MPa, Unannealed	235	°C	ISO 75-2/A
Continuous Use Temperature ²	130	°C	
Vicat Softening Temperature	250	°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 (Solution A)	550	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.50 mm	V-0		
3.00 mm	V-0		
Glow Wire Flammability Index (1.50 mm)	960	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	
Drying Temperature	90.0 to 100	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	280 to 300	°C	
Mold Temperature	90.0 to 110	°C	
Injection Rate	Moderate		
NOTE			
1.	at 60 MPa of cavity pressure		
2.	20,000 hr		

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