

Latamid 6 H2 G/50

Polyamide 6

LATI S.p.A.

Message:

Compound based on Polyamide 6 (PA 6).
Heat stabilised. Glass fibres. Product UL certified.

General Information			
UL YellowCard	E54080-243980		
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Physical	Nominal Value	Unit	Test Method
Density	1.56	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.50 to 0.70	%	
Flow : 2.00 mm	0.25 to 0.45	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-2/1
23°C	15500	MPa	
60°C	12500	MPa	
90°C	8500	MPa	
120°C	6900	MPa	
150°C	5600	MPa	
Tensile Stress			ISO 527-2/5
Break, 23°C	215	MPa	
Break, 60°C	160	MPa	
Break, 90°C	130	MPa	
Break, 120°C	115	MPa	
Break, 150°C	100	MPa	
Tensile Strain			ISO 527-2/5
Break, 23°C	2.5	%	
Break, 60°C	3.0	%	
Break, 90°C	3.8	%	
Break, 120°C	4.2	%	
Break, 150°C	4.5	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	15	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	85	kJ/m ²	ISO 179/1eU
Notched Izod Impact (23°C, 3.20 mm)	140	J/m	ASTM D256A

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	225	°C	ISO 75-2/B
1.8 MPa, Unannealed	215	°C	ISO 75-2/A
Continuous Use Temperature ²	130	°C	
Vicat Softening Temperature	220	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	1.0E-5	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	25	%	ASTM D2863
Injection	Nominal Value	Unit	
Drying Temperature	90.0 to 100	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	240 to 280	°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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