

Latamid 6 BH

Polyamide 6

LATI S.p.A.

Message:

Polyamide 6 (PA 6).

High fluidity. Thermally stabilised. Product UL certified.

Very high fluidity.

General Information			
UL YellowCard	E54080-243966	E54080-101361750	
Additive	Heat Stabilizer		
Features	Heat Stabilized		
	High Flow		
Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	1.2 to 1.4	%	
Flow : 2.00 mm	1.1 to 1.4	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-2/1
23°C	2800	MPa	
60°C	550	MPa	
90°C	350	MPa	
120°C	300	MPa	
150°C	300	MPa	
Tensile Stress			ISO 527-2/5
Yield, 23°C	85.0	MPa	
Break, 23°C	85.0	MPa	
Tensile Strain			ISO 527-2/5
Yield, 23°C	3.5	%	
Break, 23°C	30	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	5.0	kJ/m ²	
23°C	6.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	No Break		
23°C	No Break		
Notched Izod Impact (23°C, 3.20 mm)	65	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature			
0.45 MPa, Unannealed	140	°C	ISO 75-2/B
1.8 MPa, Unannealed	55.0	°C	ISO 75-2/A
Continuous Use Temperature ²	85.0	°C	
Vicat Softening Temperature	200	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	8.0E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.750 mm	V-2		
1.50 mm	V-2		
3.00 mm	V-2		
Oxygen Index	23	%	ASTM D2863
Injection	Nominal Value	Unit	
Drying Temperature	90.0 to 100	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	230 to 250	°C	
Mold Temperature	70.0 to 90.0	°C	
Injection Rate	Moderate-Fast		
NOTE			
1.	at 60 MPa of cavity pressure		
2.	20,000 hr		

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