

Latamid 66 B H-V0

Polyamide 66

LATI S.p.A.

Message:

Compound based on Polyamide 66 (PA 66).
High fluidity. Heat stabilised. UL94 V-0 classified, halogens and red phosphorous free. Product UL certified.
Blended with PA6.

General Information			
UL YellowCard	E54080-631243		
Additive	Heat Stabilizer		
Features	Halogen Free		
	Heat Stabilized		
	High Flow		
	Low (to None) Phosphorus Content		

Physical	Nominal Value	Unit	Test Method
Density	1.16	g/cm³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.85 to 1.2	%	
Flow : 2.00 mm	0.80 to 1.1	%	

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-2/1
23°C	3800	MPa	
60°C	1800	MPa	
90°C	1100	MPa	
120°C	800	MPa	
150°C	600	MPa	
Tensile Stress			ISO 527-2/5
Yield, 23°C	80.0	MPa	
Break, 23°C	80.0	MPa	
Break, 60°C	55.0	MPa	
Tensile Strain			ISO 527-2/5
Yield, 23°C	4.0	%	
Break, 23°C	8.0	%	
Break, 60°C	50	%	

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-40°C	2.5	kJ/m²	
-20°C	2.8	kJ/m²	
23°C	3.0	kJ/m²	

Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	50	kJ/m ²	
23°C	55	kJ/m ²	
Notched Izod Impact			ASTM D256A
-40°C, 3.20 mm	25	J/m	
-20°C, 3.20 mm	30	J/m	
23°C, 3.20 mm	35	J/m	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	240	°C	ISO 75-2/B
1.8 MPa, Unannealed	90.0	°C	ISO 75-2/A
Continuous Use Temperature ²	95.0	°C	
Vicat Softening Temperature	240	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	7.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index ³ (Solution A)	525	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	
Glow Wire Ignition Temperature			IEC 60695-2-13
1.00 mm	775	°C	
2.00 mm	775	°C	
Oxygen Index	32	%	ASTM D2863
Injection	Nominal Value	Unit	
Drying Temperature	90.0 to 100	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	260 to 290	°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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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

