

Latamid 6 H-V0

Polyamide 6

LATI S.p.A.

Message:

Compound based on Polyamide 6 (PA 6).
Heat stabilised. UL94 V-0 classified, halogens and red phosphorous free. Product UL certified.
Very good surface appearance.

General Information	
UL YellowCard	E54080-243981
Additive	Flame Retardant
	Heat Stabilizer
Features	Good Surface Finish
	Halogenated
	Heat Stabilized
	Low (to None) Phosphorus Content

Physical	Nominal Value	Unit	Test Method
Density	1.16	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	1.2 to 1.5	%	
Flow : 2.00 mm	1.1 to 1.4	%	

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-2/1
23°C	3400	MPa	
60°C	1400	MPa	
90°C	800	MPa	
120°C	600	MPa	
150°C	500	MPa	
Tensile Stress			ISO 527-2/5
Yield, 23°C	60.0	MPa	
Break, 23°C	70.0	MPa	
Break, 60°C	50.0	MPa	
Tensile Strain			ISO 527-2/5
Yield, 23°C	3.0	%	
Break, 23°C	5.0	%	
Break, 60°C	45	%	

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	80	kJ/m ²	ISO 179/1eU

Notched Izod Impact (23°C, 3.20 mm)	35	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	185	°C	ISO 75-2/B
1.8 MPa, Unannealed	70.0	°C	ISO 75-2/A
Continuous Use Temperature ²	100	°C	
Vicat Softening Temperature	200	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	8.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index ³ (Solution A)	550	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	36	%	ASTM D2863
Injection	Nominal Value	Unit	
Drying Temperature	90.0 to 100	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	235 to 250	°C	
Mold Temperature	70.0 to 80.0	°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



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