

Latamid 68 H2-V0

Polyamide 66/6 Copolymer

LATI S.p.A.

Message:

Compound based on PA6/PA66 copolymer.
Heat stabilised. UL94 V-0 classified, halogens and red phosphorous free. Product UL certified.
Good surface appearance.

General Information	
UL YellowCard	E54080-243983
Additive	Heat Stabilizer
Features	Copolymer
	Good Surface Finish
	Halogen Free
	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	0.60 to 0.80	%	
Flow : 2.00 mm	0.85 to 1.1	%	

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-2/1
23°C	4300	MPa	
60°C	2000	MPa	
90°C	1100	MPa	
120°C	850	MPa	
150°C	650	MPa	
Tensile Stress			ISO 527-2/5
Yield, 23°C	75.0	MPa	
Break, 23°C	70.0	MPa	
Break, 60°C	45.0	MPa	
Tensile Strain			ISO 527-2/5
Yield, 23°C	3.0	%	
Break, 23°C	10	%	
Break, 60°C	60	%	

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	2.5	kJ/m ²	
23°C	3.0	kJ/m ²	

Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	90	kJ/m ²	
23°C	90	kJ/m ²	
Notched Izod Impact			ASTM D256A
-20°C, 3.20 mm	25	J/m	
23°C, 3.20 mm	35	J/m	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	205	°C	ISO 75-2/B
1.8 MPa, Unannealed	95.0	°C	ISO 75-2/A
Continuous Use Temperature ²	100	°C	
Vicat Softening Temperature	210	°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)	600	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	750	°C	
2.00 mm	700	°C	
Oxygen Index	30	%	ASTM D2863
Injection	Nominal Value	Unit	
Drying Temperature	90.0 to 100	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	245 to 255	°C	
Mold Temperature	70.0 to 90.0	°C	
Injection Rate	Moderate		
NOTE			
1.	at 60 Mpa of cavity pressure		
2.	20,000 hr		
3.	Without Surfactant		

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