

Latamid 66 H2PX-V2

Polyamide 66
LATI S.p.A.

Message:
Compound based on Polyamide 66 (PA 66). Heat stabilised. Toughened. UL94 V-2 classified, with halogens, PBB/PBDE free. Product UL certified.

General Information			
UL YellowCard	E54080-631242		
Additive	Halogen		
	Heat Stabilizer		
Features	Halogenated		
	Heat Stabilized		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.26	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	1.2 to 1.5	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-2/1
23°C	2500	MPa	
60°C	1250	MPa	
90°C	700	MPa	
120°C	500	MPa	
150°C	350	MPa	
Tensile Stress			ISO 527-2/5
Yield, 23°C	60.0	MPa	
Break, 23°C	55.0	MPa	
Break, 60°C	45.0	MPa	
Tensile Strain			ISO 527-2/5
Yield, 23°C	4.0	%	
Break, 23°C	15	%	
Break, 60°C	80	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Notched Izod Impact (23°C, 3.20 mm)	55	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature			
0.45 MPa, Unannealed	180	°C	ISO 75-2/B
1.8 MPa, Unannealed	55.0	°C	ISO 75-2/A
Continuous Use Temperature ²	95.0	°C	
Vicat Softening Temperature	195	°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 (Solution A)	300	V	IEC 60112
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		
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	850	°C	
2.00 mm	850	°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	270 to 290	°C	
Mold Temperature	70.0 to 90.0	°C	
Injection Rate	Moderate		
NOTE			
1.	at 60 Mpa of cavity pressure		
2.	20,000 hr		

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