

Latamid 66

Polyamide 66

LATI S.p.A.

Message:

Polyamide 66 (PA 66).

Product UL certified.

General Information			
UL YellowCard	E54080-243989		
Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	1.3 to 1.6	%	
Flow : 2.00 mm	1.2 to 1.5	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-2/1
23°C	3100	MPa	
60°C	1900	MPa	
90°C	650	MPa	
120°C	500	MPa	
150°C	350	MPa	
Tensile Stress			ISO 527-2/5
Yield, 23°C	90.0	MPa	
Break, 23°C	95.0	MPa	
Tensile Strain			ISO 527-2/5
Yield, 23°C	4.0	%	
Break, 23°C	30	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-40°C	3.0	kJ/m ²	
-20°C	3.0	kJ/m ²	
23°C	4.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-40°C	No Break		
-20°C	No Break		
23°C	No Break		
Notched Izod Impact			ASTM D256A
-40°C, 3.20 mm	25	J/m	
-20°C, 3.20 mm	35	J/m	
23°C, 3.20 mm	45	J/m	

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	230	°C	ISO 75-2/B
1.8 MPa, Unannealed	80.0	°C	ISO 75-2/A
Continuous Use Temperature ²	90.0	°C	
Vicat Softening Temperature	245	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	8.0E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating (3.00 mm)	V-2		UL 94
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 90.0	°C	
Injection Rate	Moderate		
NOTE			
1.	at 60 Mpa of cavity pressure		
2.	20,000 hr		

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