

Latamid 66 E21

Polyamide 66

LATI S.p.A.

Message:

Compound based on Polyamide 66 (PA 66).
Toughened.

General Information			
Additive	Impact Modifier		
Features	Impact Modified		
Physical	Nominal Value	Unit	Test Method
Density	1.07	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	1.3 to 1.7	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-2/1
23°C	1500	MPa	
60°C	500	MPa	
90°C	350	MPa	
120°C	200	MPa	
150°C	200	MPa	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	20	kJ/m ²	
23°C	100	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	No Break		
23°C	No Break		
Notched Izod Impact			ASTM D256A
-20°C, 3.20 mm	210	J/m	
23°C, 3.20 mm	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	155	°C	ISO 75-2/B
1.8 MPa, Unannealed	45.0	°C	ISO 75-2/A
Continuous Use Temperature ²	90.0	°C	
Vicat Softening Temperature	195	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	7.0E-5	cm/cm/°C	ASTM D696
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	60.0 to 80.0	°C
Injection Rate	Moderate	

NOTE

1. at 60 MPa of cavity pressure
2. 20,000 hr

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