

Latamid 6 E02

Polyamide 6

LATI S.p.A.

Message:

Compound based on Polyamide 6 (PA 6).

Toughened.

Good impact resistance.

General Information			
Additive	Impact Modifier		
Features	Good Impact Resistance		
	Impact Modified		
Physical	Nominal Value	Unit	Test Method
Density	1.06	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	1.3 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	2000	MPa	
60°C	450	MPa	
90°C	300	MPa	
120°C	200	MPa	
150°C	150	MPa	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	100	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	No Break		
23°C	No Break		
Notched Izod Impact (23°C, 3.20 mm)	500	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	140	°C	ISO 75-2/B
1.8 MPa, Unannealed	50.0	°C	ISO 75-2/A
Continuous Use Temperature ²	55.0	°C	
Vicat Softening Temperature	175	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	7.5E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	HB		UL 94
Injection	Nominal Value	Unit	

Drying Temperature	90.0 to 100	°C
Drying Time	3.0	hr
Processing (Melt) Temp	230 to 250	°C
Mold Temperature	60.0 to 70.0	°C
Injection Rate	Moderate	

NOTE

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

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