

Latimass 82-03 D110

Polyamide 12

LATI S.p.A.

Message:

Specific density compound based on Polyamide 12 (PA12).
Special filler.

General Information			
Filler / Reinforcement		Filler	
Physical	Nominal Value	Unit	Test Method
Density	11.0	g/cm³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.55 to 0.85	%	
Flow : 2.00 mm	0.55 to 0.85	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2700	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	40.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	0.70	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	10	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	160	°C	ISO 75-2/B
1.8 MPa, Unannealed	105	°C	ISO 75-2/A
Vicat Softening Temperature	165	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 100	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	240 to 260	°C	
Mold Temperature	60.0 to 80.0	°C	
Injection Rate	Moderate		
NOTE			
1.	60 MPa		

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