

Latimass 62-05 D040

Polyamide 6

LATI S.p.A.

Message:

Specific density compound based on Polyamide 6 (PA 6).

General Information			
Physical	Nominal Value	Unit	Test Method
Density	4.50	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.30 to 0.60	%	
Flow : 2.00 mm	0.35 to 0.65	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	13000	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	40.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	0.40	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.5	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	8.0	kJ/m ²	ISO 179/1eU
Notched Izod Impact (23°C)	35	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	185	°C	ISO 75-2/B
1.8 MPa, Unannealed	70.0	°C	ISO 75-2/A
Vicat Softening Temperature	200	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Drying Temperature	90.0 to 100	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	240 to 280	°C	
Mold Temperature	80.0 to 100	°C	
Injection Rate	Moderate		
NOTE			

1. at 60 MPa of cavity pressure

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