

Latimass 53-04 D008

Polypropylene Homopolymer

LATI S.p.A.

Message:

Specific density compound based on Polypropylene homopolymer (PPh), impact modified.
Special filler.

General Information			
Filler / Reinforcement	Filler		
Additive	Impact Modifier		
Features	Homopolymer		
	Impact Modified		

Physical	Nominal Value	Unit	Test Method
Density	0.780	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	1.2 to 1.5	%	
Flow : 2.00 mm	1.3 to 1.6	%	

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	1000	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/5
Yield, 23°C	8.00	MPa	
Break, 23°C	5.00	MPa	
Tensile Strain			ISO 527-2/5
Yield, 23°C	1.5	%	
Break, 23°C	20	%	

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	1.3	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	6.0	kJ/m ²	ISO 179/1eU

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	55.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	40.0	°C	ISO 75-2/A
Vicat Softening Temperature	50.0	°C	ISO 306/B50

Injection	Nominal Value	Unit
Drying Temperature	80.0 to 90.0	°C
Drying Time	3.0	hr
Processing (Melt) Temp	220 to 240	°C
Mold Temperature	40.0 to 60.0	°C
Injection Rate	Moderate	

NOTE

1. 60 MPa

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