

Latigea B02 H6

Polylactic Acid

LATI S.p.A.

Message:

Bio-Polymer (PLA, PHB, ...).
Unfilled. Improved thermal stability.

General Information			
Features	Good Thermal Stability		
	Renewable Resource Content		
Physical	Nominal Value	Unit	Test Method
Density	1.33	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.20 to 0.60	%	
Flow : 2.00 mm	0.20 to 0.60	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	5600	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	60.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	1.3	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.5	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	35	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	125	°C	ISO 75-2/B
1.8 MPa, Unannealed	70.0	°C	ISO 75-2/A
Vicat Softening Temperature	115	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Drying Temperature	40.0 to 60.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	170 to 190	°C	
Mold Temperature	95.0 to 110	°C	
Injection Rate	Moderate		
NOTE			
1.	60 MPa		

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