

Latigea B01 I6

Polylactic Acid

LATI S.p.A.

Message:

Bio-Polymer (PLA, PHB, ...).
Unfilled. Good elongation.

General Information			
Features		Renewable Resource Content	
Physical	Nominal Value	Unit	Test Method
Density	1.23	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.25 to 0.65	%	
Flow : 2.00 mm	0.20 to 0.60	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2900	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/5
Yield, 23°C	55.0	MPa	
Break, 23°C	40.0	MPa	
Tensile Strain			ISO 527-2/5
Yield, 23°C	2.2	%	
Break, 23°C	90	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.8	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	30	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	50.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	50.0	°C	ISO 75-2/A
Vicat Softening Temperature	55.0	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Drying Temperature	40.0 to 50.0	°C	
Drying Time	6.0	hr	
Processing (Melt) Temp	170 to 190	°C	
Mold Temperature	15.0 to 30.0	°C	
Injection Rate	Moderate		
NOTE			
1.	60 MPa		

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