Purac PLA Blend A

Polylactic Acid

Purac

Message:

Homo PLA: general purpose
PLA blends based on monomers from Purac offer:
Heat resistance up to 120°C (HDT B)
Good processing economics
Impact resistance comparable to ABS
Biobased content
Multiple end-of-life options
Existing commercial availability
Blend A: the key driver behind this improvement are PLLA homopolymers that have been nucleated with a small amount of PDLA homopolymers and a traditional nucleant (see blend A in the table below for more details). The increased heat performance of blend A was obtained without adding significant amounts of filler.

General Information	
Additive	Nucleating Agent
Features	High Heat Resistance Homopolymer Nucleated Renewable Resource Content
Uses	General Purpose
Forms	Pellets

Processing Method	Injection Molding	
Physical	**Nominal Value**	**Unit**
Density	1.24	g/cm^3
Mechanical	**Nominal Value**	**Unit**
Tensile Modulus	3000	MPa
Tensile Stress	45.0	MPa
Tensile Strain (Break)	5.0	%
Impact	**Nominal Value**	**Unit**
Charpy Notched Impact Strength (23°C)	5.0	kJ/m^2
Thermal	**Nominal Value**	**Unit**
Heat Deflection Temperature [1] (0.45 MPa, Unannealed)	105	°C
Injection	**Nominal Value**	**Unit**
Processing (Melt) Temp	190 to 220	°C
Mold Temperature	80.0 to 100	°C
NOTE		
1.	Flatwise	

Recommended distributors for this material

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