Purac PLA Blend C

Polylactic Acid

Purac

Message:

Homo PLA: impact modified
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 C:
to
achieve
an
ABS
type
of
impact
resistance,
blend
A
was impact
modified.
In
order
to
minimize
the
drop
in
modulus,
talc
was
added
to
this
blend
(see
blend
C
in
the
table
below).

General Information	
Filler / Reinforcement	Talc
Additive	Impact Modifier Nucleating Agent
Features	Good Impact Resistance Homopolymer

Impact Modified

Medium Heat Resistance

Nucleated

Renewable Resource Content

Forms	Pellets	
Processing Method	Injection Molding	
Physical	**Nominal Value**	**Unit**
Density	1.25	g/cm³
Mechanical	**Nominal Value**	**Unit**
Tensile Modulus	3500	MPa
Tensile Stress	35.0	MPa
Tensile Strain (Break)	60	%
Impact	**Nominal Value**	**Unit**
Charpy Notched Impact Strength (23°C)	23	kJ/m²
Thermal	**Nominal Value**	**Unit**
Heat Deflection Temperature [1] (0.45 MPa, Unannealed)	95.0	°C
Injection	**Nominal Value**	**Unit**
Processing (Melt) Temp	190 to 220	°C
Mold Temperature	70.0 to 100	°C
NOTE		
1.	Flatwise	

Recommended distributors for this material

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