

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/cm ³
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/m ²
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	

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