

Cereplast Compostables® 3002

Polylactic Acid
Trellis Bioplastics

Message:

Cereplast Compostables® resins are renewable, ecologically sound substitutes for petroleum-based plastic product, replacing nearly 100% of the petroleum-based additives used in traditional plastics. Cereplast Compostables® resins are using polymer and additives derived from starch and other renewable resources chemistry. These components are carefully blended together on state-of-the-art compounding equipments.

All Cereplast Compostables® resins, including Compostable 3002, are certified as biodegradable and compostable in the United States and Europe, meeting BPI (Biodegradable Products Institute www.bpiworld.com) standards for compostability (ASTM6400D99, ASTM6868) and European Bioplastics Standards (EN13432).

Compostable 3002 has been designed to have an excellent balance of puncture strength, toughness and processability. Compostable 3002 can be processed on existing blown film extrusion machines. Please see our processing guide for processing and material drying guidelines. This can be found at www.cereplast.com.

Compostable 3002 is recommended for extrusion of blown film for application like liners, bags, packaging, overwrap, and more...

General Information	
Features	Environmental protection
	Perforation resistance
	Comstable
	Updatable resources
	Workability, good
	Good toughness
	Biodegradable
Uses	Blown Film
	Packaging
	Lining
	Bags
Agency Ratings	ASTM D 6400
	ASTM D 6868
	EN 13432
Processing Method	Film extrusion
	Blow film

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.36	g/cm³	ASTM D792A
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1030	MPa	ASTM D638
Tensile Strength (Break)	20.7	MPa	ASTM D638

Tensile Elongation (Break)	330	%	ASTM D638
Flexural Modulus	827	MPa	ASTM D790
Flexural Strength	22.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Dart Drop Impact	> 18.0	J	ASTM D5420

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Recommended distributors for this material

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