

# Cereplast Compostables® 3000

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 3000, are certified as biodegradable and compostable in the United States and Europe, meeting BPI (Biodegradable Products Institute [www.bpiworld.com](http://www.bpiworld.com)) standards for compostability (ASTM6400D99, ASTM6868) and European Bioplastics Standards (EN13432).

Compostable 3000 has been designed to have an excellent balance of puncture strength, toughness and processability. Compostable 3000 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](http://www.cereplast.com).

Compostable 3000 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	1.34	g/cm <sup>3</sup>	ASTM D792A
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.5	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1210	MPa	ASTM D638
Tensile Strength (Break)	26.5	MPa	ASTM D638

Tensile Elongation (Break)	360	%	ASTM D638
Flexural Modulus	1050	MPa	ASTM D790
Flexural Strength	28.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	420	J/m	ASTM D256
Dart Drop Impact	> 18.0	J	ASTM D5420

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