

Cereplast Compostables® 7003A

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 7003A, 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 7003A has been designed to have an excellent balance of strength, toughness and processability. Compostable 7003A can be processed on existing sheet extrusion machines. Please see our processing guide for processing and material drying guidelines. This can be found at www.cereplast.com.

Compostable 7003A is recommended for extrusion application like straws, profiles, boards, sheets, pipes, conduits, and more...

General Information			
Features	Environmental protection		
	Comstable		
	Updatable resources		
	Workability, good		
	Good strength		
	Good toughness		
	Biodegradable		
Uses	Catheter		
	Piping system		
	Sheet		
	Profile		
	Beverage straw		
Agency Ratings	ASTM D 6400		
	ASTM D 6868		
	EN 13432		
Processing Method	Sheet extrusion molding		
	Profile extrusion molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35	g/cm³	ASTM D792A
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.3	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3030	MPa	ASTM D638

Tensile Strength (Break)	51.7	MPa	ASTM D638
Tensile Elongation (Break)	7.0 - 8.0	%	ASTM D638
Flexural Modulus	2550	MPa	ASTM D790
Flexural Strength	72.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Dart Drop Impact	6.80	J	ASTM D5420

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Recommended distributors for this material

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