

# Cereplast Compostables® 4008D

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.

Compostable 4008D has been designed to have an excellent balance of strength, toughness and processability. Compostable 4008D can be processed on existing extrusion machines. Drying is critical to the success of this product. Please see our processing guide for processing and material drying guidelines. This can be found at [www.cereplast.com](http://www.cereplast.com).

Compostable 4008D is recommended for extrusion coating application like cups, plates, containers, boxes, cardboard and more...

General Information			
Features	Environmental protection		
	Comstable		
	Updatable resources		
	Workability, good		
	Good strength		
	Good toughness		
	Biodegradable		
Uses	Coating application		
Agency Ratings	ASTM D 6400		
	ASTM D 6868		
	EN 13432		
Processing Method	Extrusion coating		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.26	g/cm <sup>3</sup>	ASTM D792A
Melt Mass-Flow Rate (MFR)			ASTM D1238
-- <sup>1</sup>	5.0	g/10 min	ASTM D1238
190°C/2.16 kg	5.5	g/10 min	ASTM D1238
Moisture Content	600	ppm	ASTM D7191
Melt Stability - 15 min. hold/190°C	7.50	g/10 min	ASTM D1238 (mod)
Ash Content	4.0	%	ASTM D5630
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3120	MPa	ASTM D638
Tensile Strength (Break)	54.3	MPa	ASTM D638
Tensile Elongation (Break)	3.3	%	ASTM D638
Flexural Modulus	2620	MPa	ASTM D790
Flexural Strength	78.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method

Dart Drop Impact	1.10	J	ASTM D5420
NOTE			

1. 218°C/2.16Kg

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#### Recommended distributors for this material

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