

## Bioplastic Resins

Cereplast creates a wide range of bioplastic resins to meet a variety of demands.

Our products are made from renewable resources and can replace traditional petroleum-based plastics for use in numerous applications.



## Two Resin Families

**Cereplast Compostables® Resins & Cereplast Sustainables™ Resins**

### Compostables®

Substitutes for petroleum-based plastics in single-use disposables and packaging.

### Sustainables™

Replaces up to 70% of the petroleum content in conventional plastics used in a range of markets, including automotive, consumer goods, consumer electronics, medical, packaging, and construction.



**Cereplast Resins Work With All Major Converting Processes**

Injection Molding  
Thermoforming  
Blow Molding  
Extrusions

## Global Technology Leader

### Proprietary Resin Formulations

- 48 formulation patents and patent applications in the US and worldwide
- Strong commitment to R&D to address an ever widening array of applications needs
- Expansive portfolio of bio-based feedstock

### Efficient Resin Processing

- High-speed and low cost manufacturing process
- Utilizes conventional resin compounding equipment
- Specialized processing techniques that yield increased product performance

### Ease of Use by Converter Clients

- Specially formulated to work on conventional equipment
- Lower temperature fabrication versus petrochemical-based plastics

### Resin Properties

- Designed to deliver properties similar to traditional plastics
- Reduced environmental impact

### Strong Technical Team

- 80 years combined knowledge in bioplastics
- 180 years combined practice in the chemical industry

**NASDAQ: CERP**



The  
Renewable  
Plastic

## Cereplast Compostables® Resins

### The PLA Platform

We create Ingeo® PLA blends to expand PLA use in different processing systems.

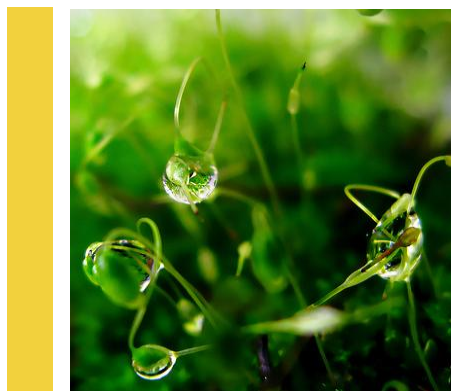
### The Starch Platform

Blends of biopolymers and native plant starches

### The New Platforms

PHA, PHBV, PPC, Succinic Acid and investigating other bioplastics

## Cereplast Sustainables™ Resins



### Polyolefin Platform

- Polypropylene
  - □ Hybrid 101-103
- PE, ABS

### Algae Platform

- *Coming in 2011 as a hybrid material*

### PLA Platform

- Several grades of resins with high level of renewable content

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