



Cereplast

www.cereplast.com

A Bio-based Alternative to Plastics Made From Petroleum Cereplast™ is Fully Compostable and Bio-degradable

A competitively priced and sustainable replacement for fossil fuel based plastics

Imagine a plastic that is environmentally neutral, that doesn't require fossil fuels and that returns to nature without a trace; an economically competitive product that isn't affected by the climbing price of oil. This is Cereplast, the renewable plastic.

Cereplast manufactures its sustainable and compostable resins using a proprietary process by starting with a natural bio-polymer such as poly-lactic-acid (PLA) from NatureWorks LLC, a polymer produced from corn-starch. The bio-polymer is then blended with other compostable components including corn or wheat starch, and then finally treated with nanoparticles to impart significant structural and thermo-resistance characteristics. The resin can then be used to replace traditional fossil-fuel based resins in all major converting processes such as injection molding, extrusion (profile extrusion, extrusion coating, blow molding) and thermoforming.

Economically Viable

- Cost of raw ingredients is stable relative to cost of fossil fuel based resins
- Can be manufactured using existing equipment and processes
- Lower processing temperatures mean manufacturing cost savings

Compostable/ Biodegradable

- Fully biodegradable in compost facilities in 60-180 days
- No chemical residues
- Disposable with food waste; no separation required
- Certified by the Biodegradable Products Institute (BPI)

Sustainable

- Developed from plant starches
- Non-petroleum based for main feedstock
- Production process uses 40-50% fewer fossil fuels and emits less carbon dioxide
- Reduced greenhouse gases

Comparison with Other Bio-Based Plastic

- Top quality performance, including rigidity
- Higher thermo-resistance
- Greater strength
- Not brittle

About Cereplast

Cereplast, Inc. (OTCBB: CERP) designs and manufactures proprietary bio-based, renewable plastics which are used as substitutes for petroleum-based plastics in all major converting processes - such as injection molding, thermoforming, blow molding and extrusions - at a pricing structure that is competitive with petroleum based plastics. Cereplast's uniquely formulated resins are certified biodegradable and compostable by BPI (Biodegradable Products Institute). Learn more at www.cereplast.com. Cereplast is publicly traded on the NASD's Over-the-Counter Bulletin Board market under the symbol CERP.