

## Oysterplast™ Composite Bioresins

**Same benefits as post consumer recycled plastic (PCR) at a fraction of the cost.**

Oysterplast Composite Bioresins are a cost-efficient way to immediately reduce your reliance on virgin fossil-fuel resin and reduce the carbon footprint from most HDPE, LDPE, LLDPE, PP, & PS products. On average, Oysterplast Composite Bioresins emit up to 90% less CO<sub>2</sub> versus traditional virgin fossil-fuel resins, making it a truly sustainable alternative.



- Designed for multi-use and disposable products made with HDPE, LDPE, LLDPE, PP, & PS.
- Masterbatch processed with a Let Down Ratio between 20-60%.
- Can replace the fossil-fuel-based resins in your products by up to 50%.
- Can lower the carbon footprint in your product by up to 55%.
- Works with all plastic processing machinery. No capital investment required.
- Does not impact the recyclability of the product.
- All components are Generally Recognized As Safe by the FDA so safe to be used for direct and indirect food and beverage contact.

### Why We Use Oyster Shells

**Calcium carbonate (CaCO<sub>3</sub>) derived from oyster shells is a carbon-negative material.** Oysters actively remove “new” carbon dioxide from the environment as they make their shells. And they are biorenewable, so they will regenerate and, in the process, continue sequestering carbon in the environment.



Unlike **calcium carbonate derived from talc or limestone, which is carbon-positive.** These solutions reintroduce “old carbon”, previously sequestered thousands of years ago, back into the environment.

### Product Applications

- **BAGS:** dry-cleaning bags, grocery bags, produce bags, trash bags, t-shirt bags
- **BOTTLES & CONTAINERS:** cosmetic, detergent, shampoo, storage
- **FOOD SERVICE ITEMS:** clamshell, cups, cutlery, lids, plates, straws, trays
- **PACKAGING:** bubble-wrap, thin-film, shrink-film, stretch film
- **DURABLES**