



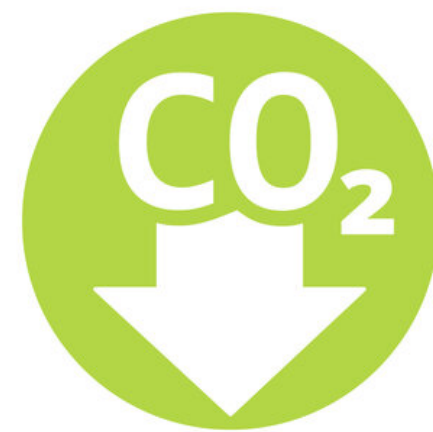
PURO RENEWABLES

Oysterplast[®] Composite Bioresins HDPE, LDPE, LLDPE, PET, PP, PS, PVC

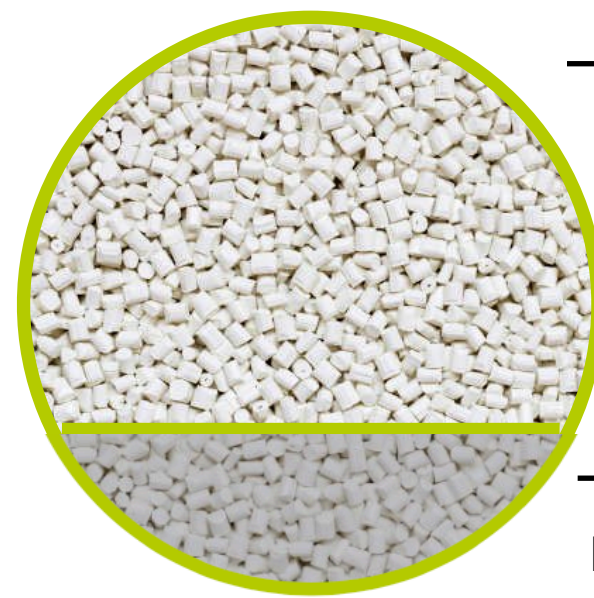
Available in 4 grades: Standard ~150 µm; Fine ~75 µm; Ultra Fine ~50 µm; Nano ~1µm

Better benefits versus post consumer recycled plastic (PCR)

- Designed for **multi-use and disposable** products made with HDPE, LDPE, LLDPE, PET, PP, PS, & PVC.
- Made from approximately **75% carbon-negative, biorenewable, biowaste**.
- Processed with a Let Down Ratio between 10-60%.
- Can replace the fossil-fuel-based resins in your products by **up to 45%**.
- Can lower the carbon footprint in your product by **up to 43%**.
- **No capital investment required**, works with all plastic processing machinery.
- CaCO₃ is recyclable per the Association of Plastic Recyclers
- All components are Generally Recognized As Safe by the FDA so **safe to be used for direct and indirect food and beverage contact**.



~71% less CO₂ versus traditional resins



75%
Carbon-Negative, (CaCO₃) derived from biorenewable, (Oyster Shells)

25%
HDPE, LDPE, LLDPE, PET, PP, PS, PVC

Why We Use Oyster Shells

Calcium carbonate (CaCO₃) derived from oyster shells is a carbon-negative material. Oysters actively remove “new” carbon 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 environmentally destructive and carbon-positive.** These solutions reintroduce “old carbon”, previously sequestered thousands of years ago, back into the environment.

Product Applications

- **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
- **RIGID CONTAINERS & DURABLES**