



CAPS &
CLOSURES

OYSTERLEAN

A BIO-RENEWABLE AND
SUSTAINABLE RESIN



Reduce your product's carbon footprint by up to 20 percent with Oysterlean.

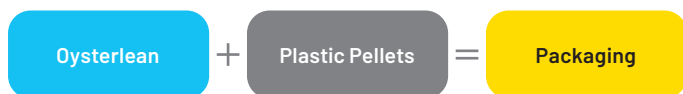


SCAN QR CODE

The market today faces one crucial question, how to reduce the environmental impact on plastics packaging and be more sustainable in the aspect of rising raw material cost?

Three prime areas of the packaging lifecycle demand our focus. Reuse, How can we extend the lifetime of a plastic packaging product? Recycle, how can we recover this valuable material? Lastly, Renew, how can we use less of the traditional non-renewable raw material?

Oysterlean is a game-changing product derived by refining a readily available bio-marine waste material sourced from seashells that results in a bio-renewable resin capable of replacing oil-based plastics.



Compatibility

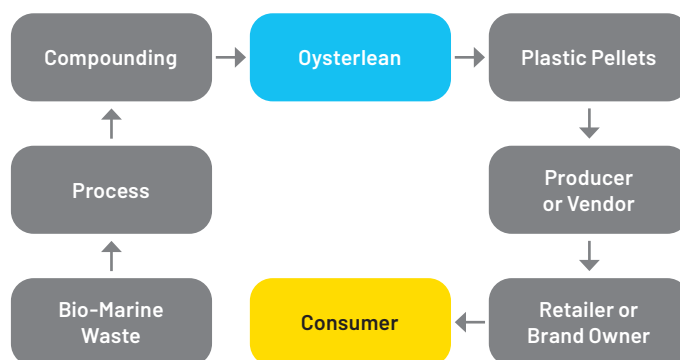
Oysterlean is compatible with virtually all plastics and production processes, including many resin materials. It provides high durability, both as raw material and also in the final product.

Cost Stability

Oysterlean offers a stable price far longer than many other suppliers of materials used in plastics packaging. Since it is not dependent on petroleum-based non-renewable raw materials and has a stable supply of renewable bio-marine raw materials, Oysterlean is a buffer to the volatile resin prices.

To add Oysterlean to your next packaging needs, please get in touch with one of our friendly staff at Caps & Closures.

Process Overview



Environmental Benefits

Oysterlean's carbon footprint is about five times lower than conventional plastics like PE and PP. Thanks to more than 75% of Oysterlean being based on bio-marine waste (shells) and carbon capture (storage) in shells. Assumptions based on an LCA (ISO 14040) provided by SGS.

Since more than 75% of Oysterlean is a bio-marine waste from shell farming, the bio-regeneration cycle of this material is 4-6 months until it becomes a waste.

Incineration of Oysterlean has little environmental impact, and only 23.5% of the CO2 is not environmentally neutral and/or is going back into the bio-circulation.

Carbon Footprint Impact in CO2 kg equivalent

Oysterlean	-0.9 kg
Polypropylene	-4.39 kg
Polyethylene	-4.85 kg
Polystyrene	-7.85 kg

