greenprint:industrialcompostable

INDUSTRIAL COMPOSTABLE

CLAMSHELLS

PLATES

HOW IS PLA MADE?

Polylactic acid (PLA) is a thermoplastic monomer made from renewable, organic materials like corn starch or sugar cane. Unlike most plastics, which are created from fossil fuels through the distillation and polymerization of petroleum, PLA is produced using biomass resources.

HARVEST

It starts by harvesting the corn, sugarcane, cassava plants, which are then crushed to create an oil.

FERMENTATION

Naturally occurring bacteria in the soil ferments the oil, which is separated, purified, and dried to create PLA feedstock.

TRANSFORMATION

These microbes transform plant oils and starches into polymer chains that are harvested and refined into biodegradable plastic pellets.

TESTING

Our quality shines through rigorous manufacturing and lab testing, guaranteeing product durability, performance, and environmental adherence.

DECOMPOSITION

When the product is exposed to microbial activity, it will decompose; hence it will break down in industrial compost, soil (landfills), freshwater, or saltwater.

ADAPTATION TO EXISTING INFRASTRUCTURE

Our products are designed to seamlessly integrate with current waste disposal systems, eliminating the need for specialized disposal methods.

HOT & COLD

In both cold and hot meals, ranging from 32° to 176° F.

LONG SHELF LIFE TIME

Shelf life time greater than 300 days, decomposition triggered upon use.

FSC CERTIFIED

All fibers used in our products are FSC certified.

PREMIUM PRODUCTS

With high rigidity and durability, 100% reciclable and reusable.

RESISTANT

Water and oil resistant. Also microwave and freezer freindly.

OEM AVAILABLE

Contact us for more information at sales@greenprintproducts.com