

# Puroplast™ Biobased BioAccelerator for Non-Recyclable HDPE, LDPE, LLDPE, & PP Products

The Puroplast BioAccelerator is a revolutionary masterbatch additive designed for polyolefin plastic products that cannot be recycled. The Puroplast BioAccelerator will enable the biological digestion of the product in nature or landfill environments without causing microplastics.

Achieved **98.2%** biodegradation in under 27 weeks in a simulated landfill environment in accordance with the ASTM D5526 testing standard.\*

\*Sample of PE Film



Puroplast Biobased  
Bioaccelerator White



Puroplast Biobased  
Bioaccelerator Natural

- Designed for products made with HDPE, LDPE, PP, & PS that cannot be recycled.
- Effectively transforms the molecular structure of product into non-plastic materials that can be consumed by microbes.
- Processed with a Let Down Ratio between 1-2%.
- Made from at least 51% biorenewable, biowaste.
- Works with all plastic processing machinery. No capital investment required.
- Formula can be customized based on intended lifespan of product.
- Will not produce microplastics.
- All components are Generally Recognized As Safe by the FDA so safe to be used for direct and indirect food and beverage contact.

## Product Applications

- **BAGS:** dry-cleaning bags, trash bags, other non-recyclable bags
- **BOTTLE CAPS**
- **CONTAINERS:** chemical containers, oil containers
- **DIAPERS**
- **PACKAGING:** bubble-wrap, cereal bags, food contact, thin-film, stretch film, shrink-film
- **OTHER NON-RECYCLABLE PRODUCTS**