

# Karinbio®

Product line composed by compostables bioplastics that aim to contribute to the reduction of environmental impacts.



Aware of the role it plays in the plastic industry, society and the environment, Karina Plásticos seeks to adopt actions, invest in research and development of new raw materials and alternatives that aim to contribute to the reduction of environmental impacts.

## Karinbio®

The Karinbio® brand was developed based on compostables bioplastics, which can be fossil origin and/or **renewable sources**.

Compostable plastics decompose in a natural aerobic environments, such as: composting through microorganisms that metabolize the molecular structure of compostable bioplastic.

According to ASTM D 6400 "Compostable Bioplastic is a material in which degradation occurs naturally through the action of microorganisms in a given period of time."

Karinbio® compounds meet the following standards:

**90** **Home**  
NF T 51800  
90 days

**180** **Industrial**  
EN 13432  
180 days

**24** **Soil**  
NF EN17033  
24 months

## Applications

- Film
- Injection
- Thermoforming

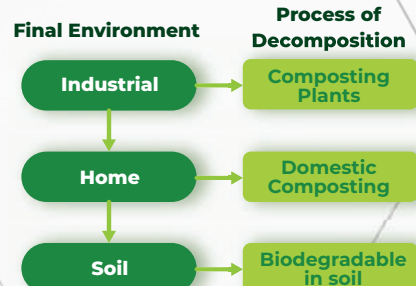
## Processes

- Extrusion
- Injection

## Advantages

- Disposal of waste in nature
- Contribution to the reduction of greenhouse gases
- Highly versatile material enabling diverse applications

## Types of Degradation



- ✓ High-tech laboratory
- ✓ Specialized technical department
- ✓ Quality control of finished products
- ✓ Logistics with 24-hour service



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