

Karinbio®

*Product line composed of biodegradable polymers
focus on contribute to reducing environmental impacts.*



Aware of the role it plays on the plastics industry, society and the environment, Karina Plásticos seeks to adopt actions, invest in research and development of new raw materials and alternatives aimed at contributing to the reduction of environmental impacts.

Karinbio®

Karinbio® brand was developed based on biodegradable and compostable polymers, which can be of fossil origin and from **renewable sources**.

Biodegradable polymers are polymers that decompose in natural aerobic environments, such as composting, through microorganisms that metabolize the molecular structure of plastic with the production of water, carbon dioxide and biomass.

According to ASTM D 6400 "**Biodegradable plastic** is a material in which degradation occurs naturally through the action of microorganisms in a certain period of time".

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



WWW.KARINA.COM.BR

Karinbio®

Karinbio® compounds have been developed to meet the following standards, starting from:

180 Industrial
180 days

90 Home
90 days

24 Soil
24 months

Applications

- Film
- Injection
- Thermoforming

Advantages

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

Processes

- Extrusion
- Injection

Types of Degradation

Final Environment

Industrial

Home

Soil

Decomposition Process

Composting Plants

Home composting

Biodegradable in soil

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