



EVANESTO

Zero Impact PLAstic

**THE SOLUTION FOR
ENVIRONMENTALLY FRIENDLY
PACKAGING!**



**Plastic cups,
films and pots,
with Evanesto® inside**
*100% compostable,
even from home.*



CARBICLICE

Biodegradability is the future

Evanesto®: the additive that makes plant-based plastic compostable even in domestic conditions!

HOW DOES EVANESTO® WORK?

STEP 1

Evanesto® production

Player: Carbiolice

Carbiolice formulates the enzyme produced by its partner Novozymes so that the enzyme activity is protected at high temperatures. The protected enzyme takes the form of an additive named Evanesto®.

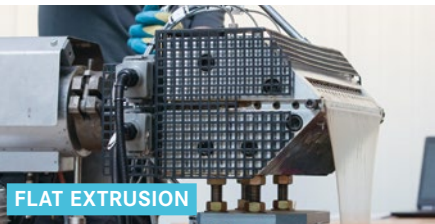


STEP 2

Introduction and processing on industrial lines

Players: Material transformers or packaging manufacturers

Carbiolice supplies Evanesto®, which is added at a rate of 2-5% to a compound with a high PLA level during traditional plastic transformation processes such as extrusion, injection molding, calendaring or thermoforming. The enzyme remains inactive during the entire period of the product's use.



STEP 3

Enzyme activation and plastic end-of-life

Players: Consumers and/or waste recovery companies

The enzyme is activated under composting conditions (humidity, temperature, pH). It disintegrates the plastic, which will then be digested by the micro-organisms in your compost bin. With Evanesto®, PLA becomes compostable, even under domestic composting conditions (NF T51-800). It also facilitates and accelerates industrial composting and generates biogas in methanisation.



- Humidity above 55%
- Temperature around 28°C
- pH around 9

WHAT IS EVANESTO®?

Evanesto®, an innovation proposed by Carbiolice, is aimed at plastic applications and packaging which, by their nature, cannot be recycled. Indeed, Evanesto® is an innovative and eco-responsible alternative that allows to reach zero waste. Plastics containing Evanesto® are assimilated to bio-waste, composted and transformed into compost in less than 200 days. This solution thus helps to fight against the accumulation of plastic waste in the environment and becomes an effective lever for the deployment of a high-performance solution for sorting bio-waste at source. Whether you are a compounder, a plastics manufacturer or a brand wishing to invest in a sustainable packaging solution, Carbiolice is committed to helping you implement compostable products even in domestic conditions.

WHAT BENEFITS?

EVANESTO® COMMITMENTS

in favor
of the circular
economy to fight
plastic pollution

Value created
thanks to compost
and biogas



An effective response
to legislations
on plastic



A reduction
in greenhouse gas
emissions
and fossil fuels
dependance



Complete
and non-toxic
biodegradation



Eco-design to fulfill
the consumers
requirements



100%
BIODEGRADABLE

100%
COMPOSTABLE

100%
DOMESTIC



EVANESTO® APPLICATIONS

For a universal composting



Flexible film



Packaging



Disposable
tableware



Bag



Pod



Mulching film

WHAT IF YOU COULD PUT YOUR YOGHURT POTS IN THE COMPOST ?



Evanesto® represents a unique, universal and ready-to-use solution for all players in the plastic value chain, accelerating the natural biodegradation of PLA to make it compostable even domestically.



To make the PLA
fully compostable,
contact us!

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