



EVANESTO



“ At CARBIOLICE, we see compostable packaging as a legitimate complement to recycling and a reasoned consumption mode. All initiatives must be considered in the fight against this plastic scourge!

Nadia AUCLAIR, CEO of CARBIOLICE ”

ZERO
IMPACT
PLASTIC



CARBIOLICE

Biodegradability is the future

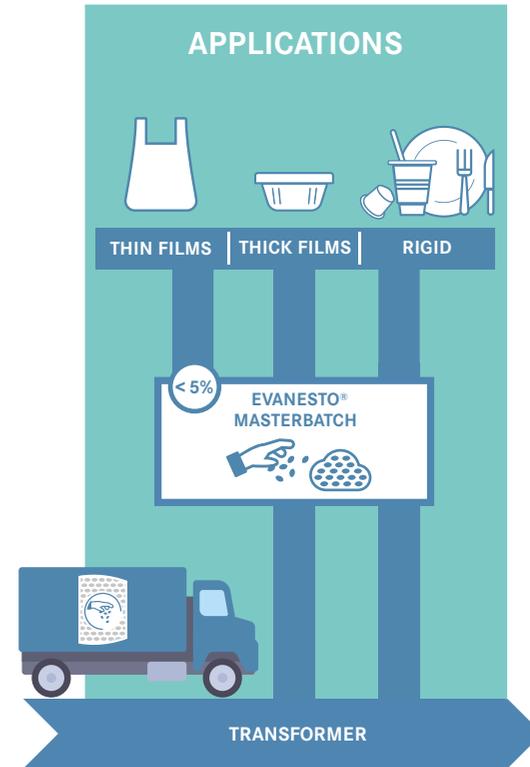
EVANESTO[®], an enzymated additive to make PLA materials fully compostable in domestic conditions

Evanesto[®] Production



CARBIOLICE formulates the enzyme produced by its partner Novozymes so that the enzyme activity is protected at high temperatures. The enzyme takes the form of an additive named **EVANESTO[®]**.

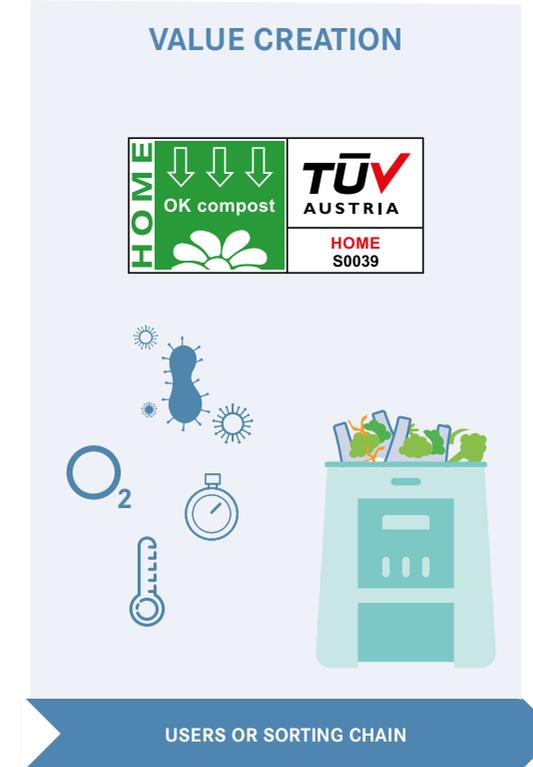
Evanesto[®] Inside



EVANESTO[®] is added to a compound with a high content of PLA during **conventional converting processes** like film extrusion, thermoforming, injection molding.

The **enzyme is inactive** during the entire period of the product use.

Evanesto[®] Activation



A **combination of conditions** is necessary to **activate the enzyme**. With **EVANESTO[®]**, PLA becomes compostable in home composting conditions. (NF T51-800)



EVANESTO

Zero Impact PLastic

CARBIOLICE has successfully created an **innovative, unique and universal green solution** for PLA based plastics. By combining its expertise in compounding, formulation and process development with the enzyme technology developed by Carbios, its main shareholder, CARBIOLICE makes **PLA fully compostable in domestic conditions** (NF T51-800).

EVANESTO[®] INSIDE

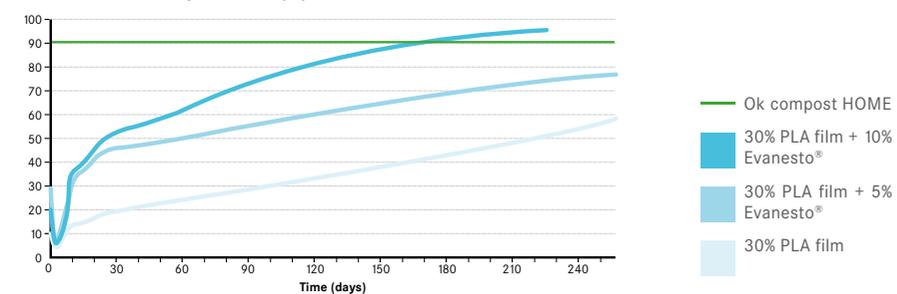


30% PLA content in thin blown films 15 μ m results, in home composting conditions.

Tests carried out by the independent laboratory OWS in home composting conditions, on thin films with a 30% PLA content and a 5% EVANESTO[®] content and the rest being other biodegradable polyesters, such as PBAT, TPS...



Relative biodegradation (%)



EVANESTO[®] will be commercialized at the beginning of 2020 for films before a wider commercialization for rigid packaging.

**BIO-
-DEGRA-
DABILITY
IS THE
FUTURE**



CARBIOLICE

Biodegradability is the future

Carbiolice is a **French company created in 2016** that is specialized in the development and **production of biodegradable and compostable** solutions to redefine the life cycle of single-use plastics.

Carbiolice follows through its convictions by **creating value through biodegradability and the circular economy.**



CARBIOLICE

Biodegradability is the future

To make PLA materials fully compostable:



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Do not throw on the public highway

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