



ABSTRACT SUBMISSION

CARBIOLICE MAKES PLA FULLY COMPOSTABLE

CARBIOLICE a French company has developed a unique and disruptive technology to fight white pollution, using enzymes to accelerate by 30% (measured by ows) the natural compostability and biodegradability of PLA-based materials.

Under the trade name EVANESTO®, this innovating patented additive is universal and compatible with any PLA-based compounds, best suited for applications such as single-use plastics, but also films, bags for food waste collection like fruits and vegetables bags, packaging, coffee-pod... In fact, all applications in which composting is a meaningful end-of-life and where reuse or recycling have reached their limits.

PLA is naturally compostable, but its decomposition takes too long according to norms to be certified OK Compost Home, i.e in domestic conditions. Thanks to Evanesto® upgrading PLA, it is now possible to compost PLA-based products at home, and improve its positive impact on the environment. In compost, PLA will 100% biodegrade in less than 6 months, according to norms EN 13432 and NF T51 800.

Developed as an additive, EVANESTO® can be used on conventional plastic transforming processes without adaptation or investments.

CARBIOLICE latest technological advances will simplify composting certification procedure for all the PLA industry.