

Altais project:
A sustainable alternative to aluminium laminates



- Aluminium foil is used in packages, combined with plastic films, as a protective barrier against gases and light.
- Such packages are very common and used in a range of formats, including pouches, bags and tubes, used in everyday consumer goods such as food and drinks, medicines, cosmetic and hygiene products.
- Plastic-aluminium packages are very hard to recycle, and end up as waste.

THE INNOVATION: A novel package-enhancer additive

FEATURES:

- Content protection:
Barrier properties against gases and light: increased shelf-life stiffness.
Mechanical strength: polymer weight reduction.
- Package processing
Printability of package.
Advanced sealing.
- Recyclability
Facilitates separation.

Reduced CO2 footprint.

Thinner films thanks to improved mechanical properties.
Plastics are recycled and not incinerated.

Less waste into the environment.

Magnetic separability allows to capture package in recycling plants.
The additive replaces aluminium layers, easing recycling

Circular Economy

Plastics are recycled and not thrown to the sea, recovering their value.