

Bio4HUMAN - Identifying bio-based solutions for waste management applicable to the humanitarian sector

Bio-Based Solution Info Sheet

L'AMON BIODEGRADABLE LAMINATING FILM



Baseline alternative

Conventional plastic laminating film.



General description

LAM'ON is a 100% biodegradable laminating film for print and packaging. It is derived from renewable resources like corn. The glue layer that was developed specifically for the needs of the industry is completely toxic-free. It is also water soluble and that will ease the recycling process.

Main characteristics of LAM'ON:

- Crafted from bio-based materials (85%).
- Compostable (100%).
- 90 cm width, 50 µm max thickness.
- Applied on standard laminators.
- Printable
- Water resistant to keep the products safe without compromising on sustainability.



Lifespan

6 months. Single-use product: the film is used for bundling or transporting (it is a transport packaging); once used, it is discarded.



Cost

It depends on order. The price is usually between 6 and 8 euros per kilogram.

Cost of the conventional product: It depends on the thickness and the supplier, but it is usually approximately between 2 and 5 euros per kilogram.



Environmental aspects - added value

End of life: 100% industrially compostable, certified to EN 13432 standards. In industrial composting conditions, the film breaks down into carbon dioxide and water in under 12 weeks, leaving no microplastics or toxic residues behind.



Additional comments

- It is the conscious choice for bio-based and compostable thermal laminating films for paper and cardboard application and packaging foils for garments, cosmetics and food.
- Must be stored in under 30°C in order to minimize the deterioration of the film properties in general.



SCAN FOR BIO-BASED SOLUTIONS PORTFOLIO OF ALL SOLUTIONS

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