



Magdata
Visible Values

"BIO GREEN"

[PLA WET FILM]

The biodegradable and
compostable solution



sustainability



aesthetic



utility



The use of plastics, indispensable for the protection and embellishment of many processes, is an open topic of discussion due to its **environmental impact**.

For the Mag Data Group, it is therefore essential to make the **most virtuous and sustainable solutions** available to the market. These include films of natural origin such as **Mag Data Bio Green** based on PLA.

PLA (Polylactic Acid) bioplastic is a polymer derived from **renewable resources**, mainly from corn starch, but also from other plant sources such as sugar beet and sugar cane. The production of PLA begins with the fermentation of these plant materials to obtain lactic acid. Then, the lactic acid is polymerized through a polycondensation process or by ring-opening polymerization to form polylactide.

PLA has several characteristics that make it a **unique and interesting material** from both ecological and industrial perspectives:

- **Biodegradability:** PLA is biodegradable, which means it can be decomposed by microorganisms under industrial composting conditions, **reducing environmental impact** compared to traditional petroleum-based plastics.
- **Biocompatibility:** It is biocompatible, making it suitable for medical applications as well.
- **Transparency and Gloss:** Transparent PLA offers **excellent gloss**, making it suitable not only for food packaging but also for production in cosmetics and fashion.
- **Strength and Consistency:** PLA possesses **good mechanical strength and consistency**, comparable to those of traditional plastics such as PET.

MAG DATA BIO GREEN is a transparent film with one heat-sealing side and one corona-treated side, so that it is also suitable for post-lamination processing.

This film is therefore an **excellent alternative to the use of traditional polypropylene films** compared to which it offers reduced environmental impact, while maintaining optimal functional characteristics and ensuring excellent qualitative results.

Code	Product	Material	Finishing	Thickness Micron
PLX015	BIO GREEN GLOSS	PLA	Trasparent 1 side heat-seleable 1 side corona treated	15