



**FILMS BIOX
BIODEGRADABLE**

**eco-sustainable
film**

**THE LAMINATION
THAT HELPS
THE ENVIRONMENT**

available
both in WET
and in
DRY version

available
with glossy
and matt
finish

physical
features equal
to conventional
wet and dry films



The **oxo-biodegradable** films are conventional films, in this case based on polypropylene, to which an additive is added which accelerates the breakage of chemical bonds between the molecules.

The products resulting from the breakage of chemical bonds become available for conversion by microorganisms normally present in nature, such as bacteria, fungi and algae, and the final result of the process is the production of CO₂, water, methane (in anaerobiosis) and biomass. The process in fact is not that of a simple fragmentation: the polymer chain is dismantled and its basic constituents become available for aerobic digestion by microorganisms.

The **greater environmental sustainability** of these products compared to the standard ones is therefore given by their greater degradation speed, which is activated in particular conditions. The film biodegrades and contributes to reducing the accumulation of waste in the environment.

However, the additive does not activate the process under normal use conditions, but accelerates it as soon as it has started. Special conditions of heat and / or sun exposure, as well as the presence of oxygen, are required to activate it. The product is therefore formulated so that the process begins when it is disposed of in landfills, under specific conditions.

The degradation rate of a conventional plastic film in a landfill can exceed 50 years. An oxo-biodegradable film, once the additive is activated and maintaining the aerobic phase, can degrade in less than three years.

This film has **physical and workability characteristics similar to those of the traditional film** and does not require special precautions for use. It is available in both WET and DRY (thermal) versions and with both glossy and matt finishes, in commonly used formats on the market.

Ultralen Film GmbH and the Companies of the Group are not responsible in any way for the compliance of the finished product made with oxo-biodegradable film with EU Directive 2019/904 of 5/06/2019 and, more generally, with the regulations in force in the country where it is manufactured and/or marketed.

Product	Finish	Description	Thickness Micron	Length Meters	Internal Core mm
Film WET OXO-BIODEGRADABLE	Gloss	K BIOX GLOSS	12	4.000	77
	Matt	K BIOX MATT	15	4.000	77
Film DRY OXO-BIODEGRADABLE	Gloss	TK BIOX GLOSS	25	3.000	77
	Matt	TK BIOX MATT	27	3.000	77



ULTRALEN FILM GMBH - Lustgartenstrasse 6 - DE-79576 Weil am Rhein
Ph. +49 7621 422 388-0 - info@ultralen.com - www.ultralen.com