

Silostop Max

Product Information

SILOSTOP
FILMS



24/11/22

Silostop Max is an **11-layer, 80-micron**, all-in-one **High Oxygen Barrier (HOB)** silage film with an industry-leading Oxygen Transmission Rate (OTR) of less than $1\text{cm}^3/\text{cm}^2/24$ hours. Max is **tough, flexible and UV stable**. The film's strength makes it ideal for multi-cut systems where the sheet must be taken on and off the clamp several times through the season.

Max sits against the silage surface, eliminating surface spoilage by restricting oxygen permeation and reducing the development of moulds and undesirable bacteria, including butyric acid bacterial spores in the peripheral areas of the clamp during the storage period. Max also enhances the anaerobic stability of the silage face, reducing waste at feed out. Trials have shown that High Oxygen Barrier (HOB) films reduce dry matter (DM) losses in the top layer of the clamp by **41%** and reduce inedible DM by **73%** compared to non-oxygen barrier films.

Max is a single-layer film that operators should unroll onto the silage surface as soon as the clamp is full. There should be a 1.5m overlap along any joins. Finally, cover Max with Secure Covers netting and gravel bags. Secure Covers will protect Max from bird and wildlife damage and helps keep the film in close contact with the silage surface. Max is available in a range of sizes, is made using up to **25% recycled material**, and is fully recyclable.

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Technical information

PROPERTIES		METHOD	UNIT	VALUE
Thickness		ISO 4593	Micron (μ)	$80 \pm 2\%$
Weight		Internal	g/m^2	$78 \pm 2\%$
Tensile strength at break	MD	ASTM D882	MPa	$35 \pm 5\%$
	TD	ASTM D882	MPa	$32 \pm 5\%$
Elongation at break	MD	ASTM D882	%	$930 \pm 5\%$
	TD	ASTM D882	%	$900 \pm 5\%$
Dart drop test		ASTM D1709A	Weight (gr)	$600 \pm 5\%$
Puncture properties		ASTM F1306	N	$15 \pm 5\%$
			mm	$16 \pm 5\%$
OTR		DIN 53380	$\text{cm}^3/\text{m}^2/24\text{hrs}$	≤ 1
UV Resistance		Approximately 18 months depending on the region		

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Orange/Black - Multilayer Coextruded Film - 100% recyclable

Storage Temperature: -10°C to $+30^\circ\text{C}$ (extended storage at temperatures above 35°C may compromise unwinding).

UV resistance guaranteed when suffered up to 50% deterioration of mechanical properties.

All mechanical tests are made at 23°C , 50% relative humidity. The values represent the median values obtained across a range of production batches.

OTR test are made at 0.21 bar or 21% O_2 under 23°C and 50% Relative Humidity.

Dart Drop test results are obtained at time of production and are typically lower in subsequent periods after production. Results can vary between one laboratory and another and so the values given here are indicative for information purposes only and do not constitute a minimum specification.

The information contained herein is based on our present knowledge and given in good faith. However, this shall not constitute a guarantee for any specific product characteristic and shall not establish a legally valid contract. Accordingly, the user shall determine the suitability of the products for their intended use prior to purchase and shall assume all risk and liability in the connection therewith. The information contained herein is under constant review and may be modified from time to time. Notification of all modifications will be made at the time of publication.