

# Black 60

## Product Information

**SILOSTOP**  
FILMS



04/05/23

Black 60 is a **multilayer, 60-micron**, all-in-one **High Oxygen Barrier (HOB)** silage film with an industry-leading Oxygen Transmission Rate (OTR) of less than **5cm<sup>3</sup>/m<sup>2</sup>/24 hours**. Black 60 is tough and flexible. 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.

Black 60 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. Black 60 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.

Black 60 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 Black 60 with Secure Covers netting and gravel bags. Secure Covers will protect Black 60 from bird and wildlife damage and help keep the film in close contact with the silage surface. It is **fully UV stable**, ensuring long-lasting performance even in harsh environments. This film is available in a wide range of sizes to suit different storage requirements, and it is **fully recyclable** as it does not contain any cords or fibres. With Black 60, you can be confident that you are using the ultimate oxygen barrier film for silage storage.

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## Technical information

PROPERTIES	METHOD	UNIT	VALUE	
Thickness	ISO 4593	Micron ( $\mu$ )	60 $\pm$ 5%	
Weight	Internal	g/m <sup>2</sup>	57 $\pm$ 5%	
Tensile strength at break	MD	ISO 527-3	MPa	40 $\pm$ 5%
	TD	ISO 527-3	MPa	40 $\pm$ 5%
Elongation at break	MD	ISO 527-3	%	550 $\pm$ 5%
	TD	ISO 527-3	%	600 $\pm$ 5%
Dart drop test	ISO 7765-1 (A)	Weight (gr)	750 $\pm$ 5%	
Tear resistance	ISO 6383-2	gf/mic	8 $\pm$ 5%	
OTR	ISO 15105-2	cm <sup>3</sup> /m <sup>2</sup> /24hrs	$\leq$ 5	
UV Resistance	Approximately 12 months depending on the region			

24/11/22

Black - Multilayer Coextruded Film - 100% recyclable

Storage Temperature: -10°C to + 30°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<sub>2</sub> 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.