

Reducing Carbon footprint - ESA Plastics Reduction Initiative.

Bio compostable Stretch film Sustainable Industrial Stretch Film

At Biowrap they produce 100% biodegradable and compostable films and solutions, thus contributing to the reduction of plastic pollution and CO2 emissions. Raw materials do not emit harmful gases during production and therefore non-polluting with an almost zero environmental impact. Compostable films will help the planet reduce greenhouse gases (responsible for global warming of the planet) and post-consumer waste (global/ocean pollution).



The Biowrap BWP_FE23 is a highly transparent 100% biocompostable film (barcode reading through the film without difficulty) with good tensile strength and stretchability suitable for manual use or on automatic machines, suitable for all kinds of wrapping machines (up to 200% in mechanical brake).

These biodegradable materials **break down at least 90% within 6 months** in an industrial composting facility or a home composting setup. However, the exact duration of the process depends on the waste type, thickness and the type of composting facility.

Technical Properties:

PROPERTIES	STANDARD	RESULTS
Density	ISO 1183 at 23°C	1.22g/cm ³
Melting point	DSC (10°/min)	110-120°C
Vicat soft. temperature	ISO 306 (A/50)	85°C
Tensile strength (MD/TD)	ISO 527	20/25 MPa
Stress at break	ISO 527	325-450%
Failure energy	ISO 53373	19 J/mm
Coefficient of friction (static)	ASTM D1894	
- Film/film		2.8-3.5
- Film/metal		0.3-0.5
Oxygen	GPM500 LISSY	30 L/(m ² .j.bar)
Nitrogen	(23°C – 0% RH)	6
Carbon Dioxide		4

Vapour water	Mocon Permeatran (38°C – 90% RH)	2400 g/(m ² .j)

Key Features:

- 100% compostable for eco-friendly waste management
- No harmful emissions during production
- Thickness 15 – 30 Microns on 25, 38, 50 or 76mm mandrel.
- Excellent tensile strength and stretch up 200%
- Reducing plastic pollution
- Reducing CO2 emissions
- Available as both machine and hand films
- Complies to EN13432
- Doesn't produce microplastics!

Commercial terms:

Prices will be communicated according to the actual needs (depending on volume):

- The **minimum quantity** for **automatic palletizing** (depending on thickness) is **one pallet** (between 40 and 48 rolls) with a 76 mm core.
- **Carton sales** are possible for **manual use**, with a minimum quantity of **14 cartons** of 4 or 6 rolls depending on the reference. A full pallet contains **30 or 35 cartons**, depending on the reference. Core size: **40 or 50 mm**, depending on requirements.
- **Delivery time:** 4 to 6 weeks from order, depending on reference.
- **Film:** Neutral or printed in two colours, depending on needs.

For more information please contact:

BIOWRAP

Bruno COLLOS - Président BC HOLDING FINANCE / BIOWRAP

8 BIS RUE DU PERRET

91590 CERNY

FRANCE

Email : bruno.collos@biowrap.fr

Web : <https://www.biowrap.fr>

Mobile : **+33(0)6 71 11 01 15**

