

ATION
USA
FILM
INHIBITOR-PATENT



HIGH PERFORMANCE VpCI™ PACKAGING

EcoFilm® , Patented Biodegradable Film



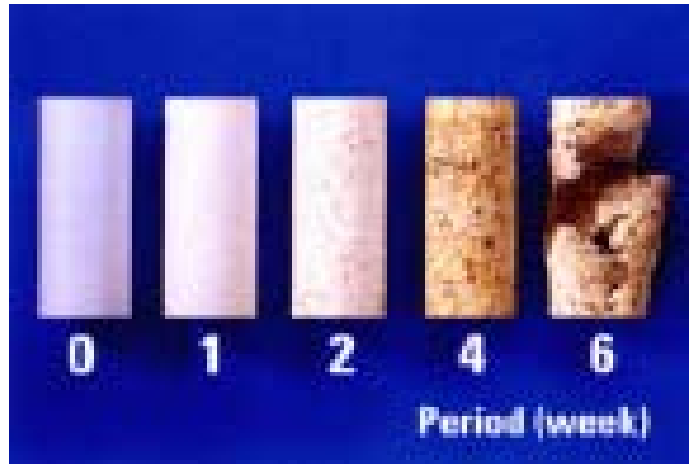
PRODUCT DESCRIPTION

Eco Film® is certified 100% biodegradable and compostable per ASTM D 6400 and EN 13432. The full range of products from Eco Film® including bags, sheets, bulk rolls and tubing are approved and listed with BPI and Din Certco agencies and can carry their respective logos for easy identification during purchase, use and disposal.

Eco Film® does not contain ANY polyethylene, starch, mineral fillers or metallic additives. Eco Film® does not disintegrate or weaken when exposed to variable temperatures or water.

Eco Film® is engineered to have strength properties exceeding non-degradable polyethylene, including puncture resistance more than triple that of low density polyethylene. The high strength allows a range of applications from light duty single use items to rigorous agricultural, retail and technological films.

After its useful life, Eco Film® is intended for disposal in a well run commercial composting environment for most customers, although the film will also biodegrade completely into carbon dioxide and water in similar environments with high aerobic microorganism activity. Since Eco Film® is directly consumed by microorganisms, the time it takes for conversion into carbon dioxide and water is directly correlated to the activity of the microorganisms



TYPICAL PROPERTIES of blown film, 2 mils (50 microns)

Property	Test method	Unit	Value	
			Eco Film™	LDPE
Tensile strength	ISO 527	N/mm ²	32/36	26/20
Ultimate strength	ISO 527	N/mm ²	32/36	-----
Ultimate elongation	ISO 527	%	580/820	300/600
Tear propagation resistance	DIN 53363	N/mm	236/124	-----
Permeation rates: oxygen	DIN 53380	Cm ³ /m ² d·bar	1600	2900

FEATURES

- 100% Certified Biodegradable and Compostable per ASTM D 6400 and EN 13432
- Listed with BPI and Din Certco Certifying Agencies
- Converts completely into carbon dioxide and water within weeks of commercial compost disposal.
- Stronger than non-degradable polyethylene
- Shelf stable
- Soft and elastic appearance with good contact clarity in thinner gauges
- Stock and custom sizes, forms and prints are available, including tint.



APPLICATIONS

- Collection bags for organic waste diversion programs
- Agricultural films
- Recreational products for hunting, camping, fishing
- Export packaging to environmentally sensitive region
- Carry Bags
- Retail Packages
- Toy and Parts Packaging
- Single use items
- Novelty items

SHELF LIFE

For shipping and storage applications, Eco *Film*[™] is a great alternative to conventional polyethylene films. Eco *Film*[™] has a shelf life of up to two years, when sealed in original packaging.

Once removed and put to use, Eco *Film*[™] will remain effective with regard to mechanical strength until film is placed in contact with material containing microorganisms, such as certain types of waste, soil, and compost. Under these conditions, 100% disintegration will occur within a few weeks with no residual contamination of the soil.

PACKAGING

Eco *Film*[®] is available in three stock sizes that work well in the most common bin sizes used in organic waste diversion programs—15, 30 and 65 gallon container liners. Additionally, Eco *Film*[®] is available in a wide range of custom sizes from widths of 3 inches to over 12 feet and in thicknesses from 0.8 mil (19 micron) to 6.0 mil (150 micron). Custom forms include single wound sheeting, double wound sheeting, u-sheets, m-sheets, center folds, gusset tubes, converted bags made from those films, perforated and/or bag-on-roll products.

FOR INDUSTRIAL USE ONLY

KEEP OUT OF REACH OF CHILDREN

KEEP CONTAINER TIGHTLY CLOSED

NOT FOR INTERNAL CONSUMPTION

CONSULT MATERIAL SAFETY DATA SHEET FOR MORE INFORMATION

LIMITED WARRANTY

All statements, technical information and recommendations contained herein are based on tests Cortec Corporation believes to be reliable, but the accuracy or completeness thereof is not guaranteed.

Cortec Corporation warrants Cortec[®] products will be free from defects when shipped to customer. Cortec Corporation's obligation under this warranty shall be limited to replacement of product that proves to be defective. To obtain replacement product under this warranty, the customer must notify Cortec Corporation of the claimed defect within six months after shipment of product to customer. All freight charges for replacement products shall be paid by customer.

Cortec Corporation shall have no liability for any injury, loss or damage arising out of the use of or the inability to use the products.

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