



HIGH PERFORMANCE VpCI PACKAGING

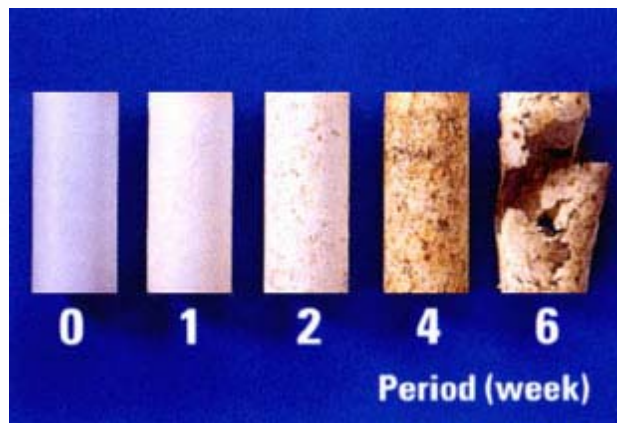
Eco Film™, Patented Biodegradable Film

PRODUCT DESCRIPTION

Eco Film™ is a DIN V 54 900 and BPS certified 100% biodegradable and compostable film designed to replace nondegradable as well as starch and polyethylene-based films. Unlike standard starch based technology, Eco Film™ is heat and water stable and does not disintegrate or break apart while in use, making Eco Film™ ideally suited for community recycling, food packaging and composting programs that involve food and yard waste. Once discarded in soil or compost, Eco Film™ will decompose 100% into carbon dioxide and water within weeks. Eco Film™ will not devalue or contaminate compost, unlike polyethylene blends.



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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% biodegradable (certified under DIN V 54 900 and Green PLA of The Japanese Biodegradability Plastics Society)
- Environmentally friendly
- Stable in atmosphere
- Degrades in compost and soil
- Superior physical/mechanical properties
- Extremely elastic
- Excellent barrier properties

Eco Film™ has no adverse effects on human health or plant life, certified under RAL GZ251, DIN V 54 900, DIN 38412 Part 30 and the "Daphnia Test", while offering physical properties superior to typical LDPE products. Eco Film™ is available in a variety of sizes and forms, allowing Eco Film™ to offer an environmentally friendly alternative for applications ranging from grocery bags to export shipping.



CORTEC
CORPORATION

Environmentally Safe VCI/MCI® Technologies

APPLICATIONS

- Food packaging
- Export packaging
- Garbage and mulch bags
- Grocery bags
- Toy packaging
- Parts packaging
- Community composting programs
- Food and yard waste

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 standard length 36" (91.4cm) and 48" (122 cm) rolls as well as a wide variety of custom sizes and forms. Custom products include single wound sheeting, double wound sheeting, U-sheets, M-sheets, center folds, gusset tubes, converted bags made from these types of film and perforated or bag-on-a-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

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