



# HIGH PERFORMANCE VPCI PACKAGING

## Eco Wrap™, Patent Pending Biodegradable & Compostable Tensioning Film



### PRODUCT DESCRIPTION

Eco Wrap™ is a unique combination of a certified compostable polyester film and a biodegradable cling coating. Eco Wrap™ is designed to run on existing stretch film equipment by simply adjusting the tension setting. Due to the strength and biodegradability of Eco Wrap™, customers can save money in three different ways. First, Eco Wrap™ at 1.0 mil (25 micron) can replace 1.6 mil (40 micron) palletizing film in most cases thus reducing the amount of product needed. Second, most applications requiring three wraps of standard film can use two wraps without sacrificing strength or protection. Third, Eco Wrap™ is certified compostable therefore avoiding tariffs, fines and tip fees in areas where polyethylene is prohibited or restricted.

Eco Wrap™ is more than a stretch film alternative, it can also be used for masking applications, mechanical protection and corrosion protection. Eco Wrap™ uses controlled adhesion to stick firmly to smooth surfaces, and leaves no residue upon removal.

Once Eco Wrap™ is discarded (ideally Eco Wrap™ is sent to a compost processor), it biodegrades entirely into carbon dioxide and water with no harmful residual. The same microorganisms that breakdown yard waste, food and other organics, ingest Eco Wrap™ and release carbon dioxide and water. Under standard compost conditions, Eco Wrap™ will visually change within 1-2 weeks of composting and completely biodegrade within a couple months.

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

Property	Test method	Unit	Value	
			Eco Wrap™	LDPE
Tensile strength	ISO 527	N/mm <sup>2</sup>	32/36	26/20
Ultimate strength	ISO 527	N/mm <sup>2</sup>	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 <sup>3</sup> /m <sup>2</sup> d·bar	1600	2900

### FEATURES

- 100% Biodegradable and Compostable
- Works on most existing automated machines
- Ideally suited for agricultural export shipments
- Extremely elastic
- Compost compatibility under DIN V 54 900, RAL GZ 251, DIN 38412 Part 30
- Conforms to domestic and international compostability standards

### APPLICATIONS

Eco Wrap™ is available as standard 30" (76,2 cm) film on 31" (78,7 cm) wide (3" [7,5 cm] ID) core for standard automatic "stretch wrapping" equipment. By adjusting (typically increasing) the tension on the equipment, Eco Wrap™ is easily applied. Handwrap films are also available as a standard product. For masking applications, Eco Wrap™ is available in any width or form from 3" to 120" (7,5 to 305 cm).



## SHELF LIFE

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

Once removed and put to use, Eco Wrap™ 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, certified under RAL GZ 251 and DIN V 54 900.

## PACKAGING

Eco Wrap™ is most often sold in cradle packed pallets, however individually boxed rolls are readily available. For additional packaging information, please contact Cortec.

## 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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