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HIGH PERFORMANCE VpCI® PACKAGING

Eco Wrap® Biodegradable & Compostable Tensioning Film



PRODUCT DESCRIPTION

Eco Wrap is a unique compostable combination of a biodegradable polyester film and a 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 benefit from material/waste reduction in the following 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 compostable and may avoid 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.

Eco Wrap, when disposed of properly, biodegrades entirely into carbon dioxide and water with no harmful effects to soil or plant life. 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 completely disintegrate within 2-3 months; however, the exact time required for biodegradation depends on the condition and activity of the disposal environment.

* This Product is intended to be composted in a commercial composting facility operated in accordance with best management practices. These do not exist in many communities. Check locally to see if such a facility exists in your community and if they will accept this product. Not suitable for backyard composting.

FEATURES

- Biodegradable and Compostable
- Works on most existing automated machines
- Ideally suited for agricultural export shipments
- Extremely elastic

APPLICATIONS

Eco Wrap is available in 20" (50.8 cm) or 30" (76.2 cm) widths as 1.0 mil (25 microns) film for standard automatic "stretch wrapping" equipment. By adjusting (typically increasing) the tension on the equipment, Eco Wrap is easily applied.

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 and moisture, such as certain types of waste, soil, and compost. Under these conditions, disintegration and biodegradation will occur.



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.

Mechanical Properties

Property		Test Method	Units	Typical Value
Caliper		ASTM D6988	mil	1.00
Breaking Factor	MD	ASTM D882-02	lbs/in	6.20
	TD			6.35
Tensile Strength at Break	MD	ASTM D882-02	psi	6103.00
	TD			6048.50
Elongation at Break	MD	ASTM D882-02	%	602.97
	TD			679.75
Yield Strength	MD	ASTM D882-02	psi	674.80
	CD			1537.60
Tear Strength	MD	ASTM D1922-06a	mN	1192.90
	CD			2668.32
Dart Drop Impact Resistance		ASTM D1709-04, Test Method A	grams	556.75

Typical-values represent average laboratory values and are intended as guides only, not as specifications.

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

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