

Eco Wrap®, Patented, US Patent #11,718,076

World's First Certified Compostable Industrial Strength Stretch Film

DESCRIPTION

Eco Wrap® is a specialty certified compostable wrapping film made with certified compostable resin plus a tackifier additive. Eco Wrap® is designed to run on existing stretch film equipment by simply adjusting the tension setting. Eco Wrap® users can benefit from material/waste reduction in the following ways. First, most applications requiring three wraps of standard film can use two wraps of Eco Wrap® without sacrificing strength or protection. Second, Eco Wrap® is commercially certified compostable* and may avoid tariffs, fines, and tip fees in areas where polyethylene is prohibited or restricted. Eco Wrap® is shelf and curb stable and will retain its integrity until disposed of properly.

PACKAGING & STORAGE

Available in 1 or 1.5 mil (25 or 38.1 µm) thicknesses, 20" or 30" (50.8 or 76.2 cm) widths, individually boxed rolls or pallet pack.

To ensure best product performance, store in original packaging, indoors, and out of direct sunlight at 40-100 °F (4-38 °C).

Shelf life: 2 years

HIGH PERFORMANCE PACKAGING



FEATURES

- Certified industrially compostable by TÜV Austria (#TA8012106218)
- Meets EN 13432/ASTM D6400 standard for commercial composting
- Works on most existing automated machines
- Ideally suited for general machine stretch wrapping applications
- Extremely elastic

BENEFITS

- Uses less material without sacrificing strength
- Reduces conventional plastic waste
- Improves user's environmental image

APPLICATION

Eco Wrap® is a great stretch film alternative to conventional polyethylene films for shipping and storage applications. It can be used anywhere a stretch film is needed. Eco Wrap® is easily applied by adjusting (typically increasing) the tension on standard automatic "stretch wrapping" equipment.

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

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TYPICAL PROPERTIES

Mechanical Properties

Property		Test Method	Units		
Caliper		ASTM D6988	mil (µm)	1 (25.4)	1.5 (38.1)
Breaking Factor	MD	ASTM D882-02	lbs/in (N/m)	4.06 (711)	6.665 (1168)
	CD			3.79 (664)	6.224 (1089)
Tensile Strength at Break	MD	ASTM D882-02	psi (kPa)	3998 (27565)	4761 (32825)
	CD			3662 (25248)	4446 (30654)
Elongation at Break	MD	ASTM D882-02	%	462.78	631.25
	CD			606.01	776.79
Yield Strength	MD	ASTM D882-02	psi (kPa)	1103.84 (7612)	1302.34 (8978)
	CD			1175.04 (8101)	1132.6 (7805)
Dart Drop Impact Resistance		ASTM D1709-04, Test Method A	grams	169.20	399.20
Puncture Resistance	Outside	MIL-STD-3010, TM 2065	lbf (gram force)	3.427 (1556)	4.416 (2003)
	Inside			3.355 (1524)	4.473 (2027)
Tear Strength	MD	ASTM D1922-06A	gram force (mN)	253.6 (2487)	352 (3452)
	CD			470.4 (4613)	516.8 (5070)
Cling Peel		ASTM D5458-95	gf/in (gf/cm)	119.73 (47)	96.15 (38)

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



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