

EcoShrink® Compostable Film

DESCRIPTION

EcoShrink® Compostable Shrink Film is a specialty shrink wrapping film designed to make the “circular economy” a reality while meeting common packaging needs. EcoShrink® is certified industrially compostable and designed for use in standard heat-shrinking applications. Users of EcoShrink® can shrink wrap their small or large components as normal for a streamlined fit conforming to the shape of the object. After use, EcoShrink® can be disposed of in a commercial composting environment to reduce the amount of plastic packaging that normally ends up in a landfill.* EcoShrink® is shelf and curb stable and will retain its integrity until disposed of properly.

PACKAGING & STORAGE

Available in 2 or 4 mil (50 or 100 µm) thicknesses and as single wound or centerfold sheeting at 18” (45.72 cm) or 36” (91.44 cm) widths as individually boxed rolls or cradle packed pallets.

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 (#TA8012206691)
- Meets EN 13432/ASTM D6400 standard for commercial composting
- Contains 45% biopolymers
- Applicable with a wide variety of shrink tools

BENEFITS

- Reduces conventional plastic waste
- Improves user’s environmental footprint
- Helps keep dust, dirt, and moisture off warehouse stock
- Bundles components into a streamlined package

APPLICATION

1. Measure unit and determine amount of film needed, with enough to overlap at all seams.
2. Lay out film in desired preparation area, making sure it is clean and dry.
3. Place component or equipment on film.
4. Pad off any sharp edges and corners.
5. Wrap or shroud equipment with film.
6. Carefully apply heat, beginning with the seams, and shrink the film to desired fit.

**Note: 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.*

EcoShrink® Compostable Shrink Film

TYPICAL PROPERTIES

Property		Test Method	Units	EcoShrink®	EcoShrink®
Caliper		ASTM D6988	Mil (µm)	2.00 (50.8)	4.00 (101.6)
Breaking Factor	MD	ASTM D882-02	lbs/in (N/m)	12.2 (2130)	24.7 (4330)
	CD			7.91 (1390)	14.5 (2540)
Tensile Strength at Break	MD	ASTM D882-02	psi (MPa)	5370 (37.0)	5650 (39.0)
	CD			3380 (23.3)	3250 (22.4)
Elongation at Break	MD	ASTM D882-02	%	400	610
	CD			310	340
Yield Strength	MD	ASTM D882-02	psi (MPa)	3650 (25.2)	3320 (22.9)
	CD			2280 (15.8)	2390 (16.5)
Dart Drop Impact Resistance		ASTM D1709-04, Test Method A	grams	144	909
Puncture Resistance	Outside	MIL-STD-3010, TM 2065	lbf (gram force)	5.35 (2430)	8.72 (3960)
	Inside			5.44 (2470)	8.64 (3920)
Tear Strength	MD	ASTM D1922-06A	gram force (mN)	64 (628)	116 (1140)
	CD			122 (1192)	198 (1946)
Coefficient of Friction		ASTM D1894	static	0.09	0.08
			kinetic	0.17	0.08
Shrink	MD	ASTM D2732-70	%	51.00	42.00
	CD			24.00	14.00

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

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