

Eco Works® 10 & 45 Certified Commercially Compostable Film

DESCRIPTION

Eco Works® 10 & Eco Works® 45 are certified commercially compostable films that contain renewable raw materials ranging from 10-45%. When placed in a typical commercial composting environment, Eco Works® 10 & 45 will biodegrade within a few months. There is no ecotoxicity to the soil, plants, or microorganisms involved in this process. Since microorganisms are the means of biodegradation, Eco Works® is shelf and curb stable and will retain its integrity until disposed of properly.

PACKAGING & STORAGE

Available in 1-4 mil (25-100 µm) thicknesses and 3-120" (8-305 cm) widths.

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
- Meets EN 13432/ASTM D6400 standard for commercial composting*
- 10% and 45% biobased content
- Replaces traditional non-compostable plastic packaging

APPLICATION

Eco Works® 10 and 45 are designed to replace traditional low-density and high-density films where standard plastic is used. Eco Works® 10 can be made into bags for packaging, shopping, yard waste, organics recycling, and a variety of other industrial or commercial uses.



**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.*

Eco Works® 10 & 45

TYPICAL PROPERTIES

Eco Works® Mechanical Properties					
Property		Test Method	Units	Eco Works® 10	Eco Works® 45
Caliper		ASTM D6988	mil (µm)	3.00 (76)	1.40 (36)
Breaking Factor	MD	ASTM D882-02	lbs/in (N/m)	13.88 (2430)	8.38 (1470)
	CD			15.04 (2630)	6.75 (1180)
Tensile Strength at Break	MD	ASTM D882-02	psi (MPa)	4207 (29)	5918 (41)
	CD			4853 (33)	4631 (32)
Elongation at Break	MD	ASTM D882-02	%	610	162
	CD			750	333
Yield Strength	MD	ASTM D882-02	psi (MPa)	1886 (13)	2912 (20)
	CD			1717 (12)	2918 (20)
Tear Strength	MD	ASTM D1922-06a	mN	6184	361
	CD			1695	659
Dart Drop Impact Resistance		ASTM D1709-04, Test Method A	grams	N/A	87.10

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

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