

EcoOceanTM

Biobased Film and Bags for Marine Biodegradable and Anaerobic Digestion Markets



PRODUCT DESCRIPTION

EcoOcean film and bags are constructed from the latest biobased polymer technology on the market. Designed with the environment in mind, EcoOcean contains 77% biobased content and is fully marine biodegradable. EcoOcean is designed to biodegrade in marine environments, anaerobic digestion, natural soil and water environments, backyard composting systems, and municipal composting facilities (in areas where these facilities are available).

EcoOcean film products are durable and versatile with the added value of biodegradability in a wide range of environments. EcoOcean is also marine protective. Although we do not promote marine disposal, in the event that this product should reach the waterways it will biodegrade in months instead of remaining in the ocean for hundreds of years like ordinary plastic films. EcoOcean can help reduce the increasing and persistent problem of marine litter.

EcoOcean is heat, moisture, and chemical resistant making it an ideal film for compostable bags and many flexible film packaging applications.



FEATURES

- High renewable content: 77% biobased
- USDA BioPreferredSM certified packaging material
- BPI certified to meet ASTM D6400 for compostable plastics
- Marine biodegradable per ASTM D7081 standard specification
- 100% anaerobically digestable per ASTM D5511 standard test method

POTENTIAL APPLICATIONS

- Community composting programs
- Anaerobic digestion programs
- Organic waste diversion
- Lawn & leaf bags
- Retail packaging
- T-shirt bags
- Agricultural films

CERTIFICATIONS AND TESTING

EcoOcean is constructed from biobased resins which have the following certifications:

- Biodegradable Products Institute
- Vincotte OK Compost and OK Compost Home
- Vinçotte OK Biodegradable Soil
- Vinçotte OK Biodegradable Water

EcoOcean has also been awarded USDA BioPreferredSM designation for Packaging Materials (www.biopreferred. gov). Many certifications require testing of finished films or bags. Please contact Cortec for mores information on pending approvals.

TYPICAL PROPERTIES

Property		Test Method	Units	Typical Values
Caliper		ASTM D6988	mil	1.75
Breaking Factor	MD	- ASTM D882-02	lbs/in	3.98
	TD			3.58
Tensile Strength at Break	MD	- ASTM D882-02	psi	2317.69
	TD			2021.16
Elongation at Break	MD	- ASTM D882-02	%	594.26
	TD			567.84
Yield Strength	MD	ASTM D882-02	psi	1284.02
	CD			1657.47
Tear Strength	MD	ASTM D1922-06a	mN	5944.86
	CD			11065.68
Dart Drop Impact Resistance		ASTM D1709-04, Test Method A	grams	147.29
Puncture Resistance		MIL-STD-3010, TM 2065	lbf	1.5
*Typical properties represent average laboratory values and are not intended as specifications but as guides only				

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PACKAGING

EcoOcean is available in various sizes and constructions. Please contact a Cortec customer service representative for additional information.



FOR INDUSTRIAL USE ONLY **KEEP OUT OF REACH OF CHILDREN KEEP CONTAINER TIGHTLY SEALED** NOT FOR INTERNAL CONSUMPTION **CONSULT SAFETY DATA SHEET FOR MORE INFORMATION**

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