

EcoBio™ Barrier Paper and Linerboard

DESCRIPTION

EcoBio™ Barrier Paper is a premium recyclable, repulpable, biodegradable barrier paper designed with the “circular economy” in mind. Made from 100% recycled paper stock treated with a biobased, biodegradable barrier coating that resists moisture, grease, and oil; EcoBio™ Barrier Paper provides a competitive alternative to polyethylene and wax paper, with comparable water vapor barrier properties. It is also available as linerboard.

Historically, polyethylene and wax coatings have been used to seal porous paper to provide a moisture barrier. When coated this way, the resulting product is more difficult to recycle through normal channels and may end up as landfill waste. In contrast, the coating used on EcoBio™ Barrier Paper allows the paper to be recyclable in standard paper recycling streams while also being biodegradable.

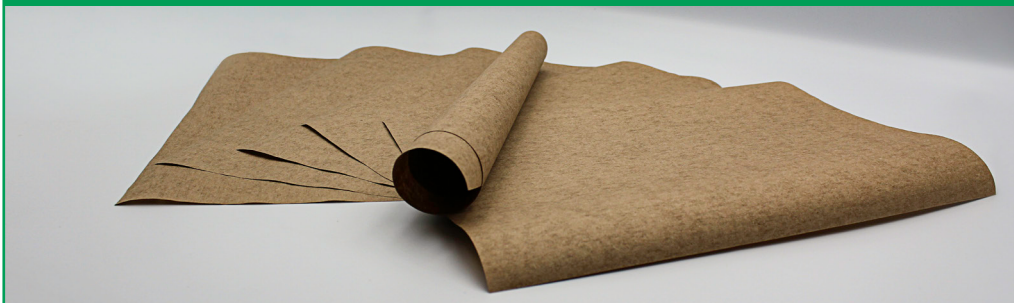
PACKAGING & STORAGE

EcoBio™ Barrier Paper and Linerboard is available in a wide variety of custom roll/ sheet sizes and coating weights. Different paper weights and types available on request.

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 PROTECTIVE PACKAGING



FEATURES

- Water, oil, and grease resistance
- Repulpable (99.99% fiber recovery per FBA Repulpability Protocol 2025)
- Biobased (90-100% renewable organic carbon per ASTM D6866) and biodegradable (OECD 301) barrier coating
- No intentionally added plastics, PFAS, or fluorochemicals
- Components formulated in compliance with
 - FDA 21 CFR §176.170 - Components of paper and paperboard in contact with aqueous and fatty foods
 - FDA 21 CFR §176.180 - Components of paper and paperboard in contact with dry food
 - BfR Recommendation XXXVI - Paper and board for food contact

APPLICATION

EcoBio™ Barrier Paper and Linerboard can be used in a variety of applications, such as packaging oily and greasy items or protecting moisture-sensitive components.

TYPICAL PROPERTIES

Property	Units	Value	
Basis Weight	lbs/3000 ft ² (g/m ²)	35±1.5 (57±2.5)	
Caliper	Mils (µm)	4.0±0.2 (100±5)	
Tear Strength	gms	CD*	50±5
		MD*	70±10
Tensile Strength	lb/in (N/mm)	23 (4)	
Burst Strength (Mullen Test)	Psi (kPa)	20 (138)	

*CD = Cross Direction

*MD = Machine Direction

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WATER VAPOR BARRIER PROPERTIES

	EcoBio™ Barrier Paper	Polycoated Paper	Wax Paper
WVTR* (g/hour•m²)	0.7-1.8**	0.47-0.71	6.5-6.9

*Tested according to ASTM E-96, 73 °F (23 °C), 50% RH

**Depending on coating weight; contact Cortec® Technical Service for details

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