



HIGH PERFORMANCE VpCI® PACKAGING

EcoShield® Paper and Linerboard



PRODUCT DESCRIPTION

EcoShield Paper is a packaging product coated with a water based barrier coating. One of its key features is that it is fully repulpable while displaying barrier properties similar or better than those of wax or polyethylene coated paper or linerboard. This product also shows excellent oil and grease resistance.

EcoShield Paper can readily be recycled contrary to other barrier packaging products such as polycoated or waxed papers. There is no need for costly processes to separate the paper base from the coating.

In addition to being friendly to the environment, EcoShield Paper is in compliance with FDA regulations. It can be used in applications where direct or indirect food contact may occur.

EcoShield Paper displays a greatly reduced Moisture Vapor Transmission Rate(MVTR). In other words it has a similar MVTR value to that of polycoated or waxed paper, while being fully recyclable.

EcoShield Paper is made from the highest quality recycled paper.

TYPICAL APPLICATIONS

EcoShield Paper can be used to protect items that are sensitive to moisture. The items may be wrapped in EcoShield Paper or packaged in boxes that have been made with EcoShield Linerboard.

FEATURES

- Barrier coated paper
- Very low Moisture Vapor Transmission Rate (MVTR), comparable to that of polycoated or waxed paper
- Excellent oil and grease resistance (3M Kit value of 12)
- Fully recyclable (replulpable)
- Non-toxic, environmentally friendly
- Complies with FDA regulations under 21 code of Federal Regulations:
 - 176.170- Components of paper and paperboard in contact with aqueous and fatty foods
 - 176.180- Components of paperboard and paperboard in contact with dry food

ITEMS PROTECTED

- Metal parts
- Food items
- Moisture sensitive items

PACKAGING AND STORAGE

EcoShield Paper is available in a 30#/3msf (49 g/m²), 45#/3msf (73 g/m²) paper, and a 42#/msf (205 g/m²) linerboard basis weights.

Custom sizes and construction are available upon request.



TYPICAL PROPERTIES

Property	TAPPI	Unit	EcoShield N30 Paper	EcoShield N45 Paper	EcoShield N42 Linerboard
Basis Weight	T-410	lb/3,000 ft ² (g/m ²)	30±2 (49±5)	45±3 (73±5)	120±7 (205±11)
Caliper	T-411	Mil/μm	3.0±0.5 (76±12)	4.5±3 (114±12)	15±2 (381±50)

WATER VAPOR BARRIER PROPERTIES

	VpCI-144	Polycoated Paper	Waxed Paper
WTR** (g/hour*m ²)	0.61-0.69	0.47-0.71	6.5-6.9

**Tested according to ASTM E-96, 73°F, 50%RH, Example test ranges for: VpCI-144, a comparable polyethylene coated paper (40# 3msf paper, 6# PE coating) and commercial waxed paper.

FOR INDUSTRIAL USE ONLY

KEEP OUT OF REACH OF CHILDREN

KEEP CONTAINER TIGHTLY CLOSED

NOT FOR INTERNAL CONSUMPTION

CONSULT SAFETY DATA SHEET FOR MORE

INFORMATION

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