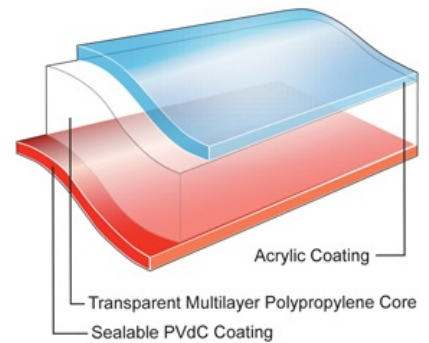


# Bicor™ 150 ASB-X

Oriented Polypropylene Film

## Product Description

Bicor ASB-X is a two-side coated, sealable OPP film designed for broad use in many applications, including overwrap, horizontal, and vertical packaging. This film is suitable as an unsupported web or in a lamination. It can be surface printed, reverse printed, or used unprinted.



## Key Features

- Outstanding optical properties
- Robust machinability
- Low and consistent COF
- Excellent flavor and aroma barrier
- Excellent heat seal strength and hot tack
- Very good moisture barrier
- Good oxygen barrier

## General

### Availability

✓ Latin America

✓ North America

✓ South America

### Features

✓ Acrylic Coated

✓ Gas Barrier

✓ PVdC Coated

✓ Flavor & Aroma Barrier

✓ Moisture Barrier

✓ Sealable PVdC Coated

✓ In Lamination Lap Sealable

✓ Oxygen Barrier

### Applications

✓ Biscuits/Cookie/Crackers

✓ Box Overwrap

✓ Confectionery, Sugar

### Uses

✓ Box Overwrap Flexible Packaging

✓ VFFS Flexible Packaging

✓ HFFS Flexible Packaging

✓ Pre-made Bags - Flexible Packaging

### Appearance

✓ Clear/Transparent

### Processing Method

✓ Cold Seal Adhesive

✓ Solvent Flexographic Printing

✓ Water-based Flexographic Printing

✓ Inner Web Adhesive Lamination

✓ Solvent Rotogravure Printing

✓ Outer Web Adhesive Lamination

✓ Surface Print Unsupported

## Revision date

October 10, 2013

## Properties

Property	Typical Value	Unit	Test Based On
Yield	27.7	m <sup>2</sup> /kg	Internal Method
Unit Weight	36.1	g/m <sup>2</sup>	Internal Method
Film Thickness	38	μ	Internal Method
Haze	1.2	%	Internal Method
Gloss(45°)	98		Internal Method
Tensile Strength at Break <i>510 mm/min pull rate, 50 mm jaw separation</i>			
MD	124	Mpa	Internal Method
TD	234	Mpa	Internal Method
Dimensional Stability 135°C, 7 min			
MD	-4.5	%	Internal Method
TD	-3.0	%	Internal Method
Crimp Seal Strength <i>PVdC/PVdC</i>			
127°C, 0.1 Mpa, 0.75 sec	590	g/2.5 cm	Internal Method
Crimp Seal MST (Minimum Seal Temperature)			
PVdC/PVdC	88	°C	Internal Method
Coefficient of Friction			
Acrylic/Acrylic	0.24		Internal Method
Water Vapor Transmission Rate			
38°C, 90% RH	3.6	g/m <sup>2</sup> /24 hr	Internal Method
Oxygen Transmission Rate			
23°C, 0% RH	70	cm <sup>3</sup> /m <sup>2</sup> /24 hr	Internal Method

## Legal Statement

Contact your Jindal Films Customer Service Representative for potential food contact application compliance (e.g. FDA, EU, HPFB). This product is not intended for use in medical applications and should not be used in any such applications.

## Processing Statement

- ASB-X is good for heavy dump VFFS applications (e.g., bulk tortillas) due to its excellent hot tack and seal strength.
- ASB-X is lap sealable to itself.
- Acrylic coating and its properties can be affected by extreme humidity and water condensation. Thorough testing is recommended when considering acrylic-coated films in refrigerated or frozen applications.
- Acrylic coating must be primed if used in extrusion lamination.
- With PVdC coating, priming or treating is recommended for stronger extrusion bonds.

-Acrylic is an excellent surface for water-based or solvent-based inks, adhesives and code-dating (cold wet or hot stamp) without treatment.

- To avoid blocking, ghosting, high residual solvents, or decreased sealability, converters should eliminate the use of slow solvents (cellosolve, glycol ethers, MIBK, butanol, etc) when printing on acrylic surfaces. The use of esters should be minimized.

## Footnotes

1. Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete country availability.
2. Dimensional stability is reported for uncoated base film.
3. Tested at 38°C (100°F)/100%RH, then calculated to 90%RH with .90 multiplier.
4. Sample dimensions and conditioning vary due to differences in equipment design.

Typical properties: these are not to be construed as specifications.

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