

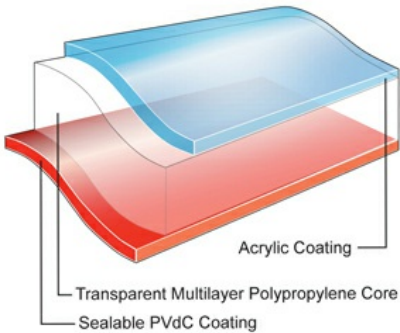
# Bicor™ 210ASBX

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
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### Features

✓ Acrylic Coated	✓ Flavor & Aroma Barrier	✓ In Lamination Lap Sealable
✓ Gas Barrier	✓ Moisture Barrier	✓ Oxygen Barrier
✓ PVdC Coated	✓ Sealable PVdC Coated	

### Applications

✓ Biscuits/Cookie/Crackers	✓ Box Overwrap	✓ Confectionery, Sugar
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### Uses

✓ Box Overwrap Flexible Packaging	✓ HFFS Flexible Packaging	✓ Pre-made Bags - Flexible Packaging
✓ VFFS Flexible Packaging		

### Appearance

✓ Clear/Transparent		
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### Processing Method

✓ Cold Seal Adhesive	✓ Inner Web Adhesive Lamination	✓ Outer Web Adhesive Lamination
✓ Solvent Flexographic Printing	✓ Solvent Rotogravure Printing	✓ Surface Print Unsupported
✓ Water-based Flexographic Printing		

## Properties & Typical Values

Property	Typical Value	Unit	Test Based On
Yield	14000	in <sup>2</sup> /lb	Internal Method
Unit Weight	30.9	lb/ream	Internal Method
Film Thickness	2.1	mil	Internal Method
Gloss (45°)	90	Gloss Unit	Internal Method
Haze	1.4	%	Internal Method
Tensile Strength at Break <i>20 in/min pull rate, 2.0 in jaw separation</i>			
MD	17000	psi	Internal Method
TD	34000	psi	Internal Method
Dimensional Stability 135°C / 275°F, 7 min			
MD	-4.0	%	Internal Method
TD	-3.0	%	Internal Method
Crimp Seal Strength <i>PVdC/PVdC</i> 260°F, 20 psi, 0.75 sec			
	700	g/in	Internal Method
Crimp Seal (MST) PVdC/PVdC			
	190	°F	Internal Method
Coefficient of Friction Acrylic/Acrylic			
	0.24		Internal Method
Water Vapor Transmission Rate 100°F, 90% RH			
	0.17	g/100 in <sup>2</sup> /24 hr	Internal Method
Oxygen Transmission Rate (Wet) 73°F, 75% RH			
	4.5	cm <sup>3</sup> /100 in <sup>2</sup> /24 hr	Internal Method

**TYPICAL PROPERTIES : these are not to be construed as specifications**

## Food Contact

Any further regulatory information on this product (i.e. Food Contact application, Presence/absence of substances, Reach, ...) are accessible on the below link: <https://www.jindalfilms.com/login-register-docmg/>

## Legal Statement

This product is not intended for or supported for use in pharmaceutical or medical applications requiring compliance with EU or US Pharmacopeia.

## Processing Statement

- 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.
- 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.

## Revision date

- July 20, 2022

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