

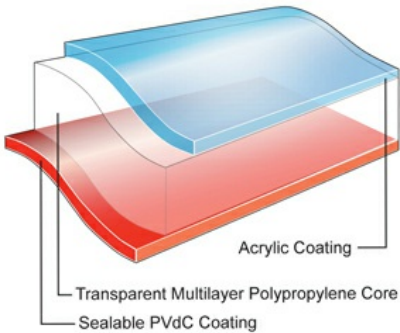
# Bicor™ 170 ASB-X

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

|   |   |   |
|---|---|---|
| <input checked="" type="checkbox"/> Latin America | <input checked="" type="checkbox"/> North America | <input checked="" type="checkbox"/> South America |
|---|---|---|

### Features

|  |  |  |
|--|--|--|
| <input checked="" type="checkbox"/> Acrylic Coated | <input checked="" type="checkbox"/> Flavor & Aroma Barrier | <input checked="" type="checkbox"/> In Lamination Lap Sealable |
| <input checked="" type="checkbox"/> Gas Barrier    | <input checked="" type="checkbox"/> Moisture Barrier       | <input checked="" type="checkbox"/> Oxygen Barrier             |
| <input checked="" type="checkbox"/> PVdC Coated    | <input checked="" type="checkbox"/> Sealable PVdC Coated   |  |

### Applications

|  |  |  |
|--|--|--|
| <input checked="" type="checkbox"/> Biscuits/Cookie/Crackers | <input checked="" type="checkbox"/> Box Overwrap | <input checked="" type="checkbox"/> Confectionery, Sugar |
|--|--|--|

### Uses

|   |   |  |
|---|---|--|
| <input checked="" type="checkbox"/> Box Overwrap Flexible Packaging | <input checked="" type="checkbox"/> HFFS Flexible Packaging | <input checked="" type="checkbox"/> Pre-made Bags - Flexible Packaging |
| <input checked="" type="checkbox"/> VFFS Flexible Packaging         |   |  |

### Appearance

|   |  |  |
|---|--|--|
| <input checked="" type="checkbox"/> Clear/Transparent |  |  |
|---|--|--|

### Processing Method

|   |   |   |
|---|---|---|
| <input checked="" type="checkbox"/> Cold Seal Adhesive                | <input checked="" type="checkbox"/> Inner Web Adhesive Lamination | <input checked="" type="checkbox"/> Outer Web Adhesive Lamination |
| <input checked="" type="checkbox"/> Solvent Flexographic Printing     | <input checked="" type="checkbox"/> Solvent Rotogravure Printing  | <input checked="" type="checkbox"/> Surface Print Unsupported     |
| <input checked="" type="checkbox"/> Water-based Flexographic Printing |   |   |

## Properties

| Property   | Typical Value | Unit                                   | Test Based On   |
|--|---------------|--|-----------------|
| Yield  | 24.9          | m <sup>2</sup> /kg                     | Internal Method |
| Unit Weight  | 40.2          | g/m <sup>2</sup>                       | Internal Method |
| Film Thickness   | 43            | µm                                     | Internal Method |
| Gloss  | 98            | Gloss Unit                             | Internal Method |
| Haze   | 1.4           | %                                      | Internal Method |
| Tensile Strength at Break<br><i>510 mm/min pull rate, 50 mm jaw separation</i> |               |  |                 |
| MD   | 103           | Mpa                                    | Internal Method |
| TD   | 215           | Mpa                                    | Internal Method |
| Dimensional Stability<br>135°C / 275°F, 7 min                                  |               |  |                 |
| MD   | -4.5          | %                                      | Internal Method |
| TD   | -4.0          | %                                      | Internal Method |
| Crimp Seal Strength<br><i>PVdC/PVdC</i><br>127°C, 0.1 Mpa, 0.75 sec            |               |  |                 |
|  | 640           | g/2.5 cm                               | Internal Method |
| Crimp Seal (MST)<br>PVdC/PVdC  |               |  |                 |
|  | 88            | °C                                     | Internal Method |
| Coefficient of Friction<br>Acrylic/Acrylic                                     |               |  |                 |
|  | 0.24          |  | Internal Method |
| Water Vapor Transmission Rate<br>38°C, 90% RH                                  |               |  |                 |
|  | 3.3           | g/m <sup>2</sup> /24 hr                | Internal Method |
| Oxygen Transmission Rate<br>23°C, 0% RH  |               |  |                 |
|  | 70            | cm <sup>3</sup> /m <sup>2</sup> /24 hr | Internal Method |

## 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

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 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 16, 2014