

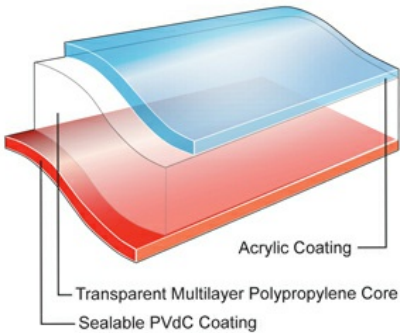
Bicor™ 210ASBX

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
-----------------	-----------------	-----------------

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
----------------------------	----------------	------------------------

Uses

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

Appearance

✓ Clear/Transparent		
---------------------	--	--

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	19.9	m ² /kg	Internal Method
Unit Weight	50.3	g/m ²	Internal Method
Film Thickness	53	µm	Internal Method
Gloss (45°)	90	Gloss Unit	Internal Method
Haze	1.4	%	Internal Method
Tensile Strength at Break <i>510 mm/min pull rate, 50 mm jaw separation</i>			
MD	117	Mpa	Internal Method
TD	234	Mpa	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> 127°C, 0.1 Mpa, 0.75 sec			
	690	g/2.5 cm	Internal Method
Crimp Seal (MST) PVdC/PVdC			
	88	°C	Internal Method
Coefficient of Friction Acrylic/Acrylic			
	0.24		Internal Method
Water Vapor Transmission Rate 38°C, 90% RH			
	2.6	g/m ² /24 hr	Internal Method
Oxygen Transmission Rate (Wet) 23°C, 75% RH			
	70	cm ³ /m ² /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

© 2023 Jindal Films. Jindal Films, the Jindal Films' logo, and other product or service names used herein are trademarks of Jindal Films, unless indicated otherwise. You may not upload, display, publish, license, post, point to, frame, transmit or distribute either this document or its information, whether in whole or in part, without Jindal Films' prior written authorization. To the extent Jindal Films provides prior written authorization, the user may use the document or its information only if the document is unaltered and complete, including all of its headers, footers, disclaimers and other information. Any data included herein may be based upon: analyses of representative samples and not the actual product shipped, typical values, or otherwise. The information in this document relates only to the named product or materials when not in combination with any other product or materials. We base the information on data believed to be reliable, but we do not represent, warrant, or otherwise guarantee the accuracy, reliability, or completeness of this information; nor do we warrant, expressly or impliedly, the merchantability, fitness for a particular purpose, freedom from patent infringement, or suitability of the products, materials or processes described. The user is solely responsible for all determinations regarding any use of material or product and any process in its territories of interest. We expressly disclaim liability for any loss, damage or injury directly or indirectly suffered or incurred as a result of, or related to, anyone using or relying on any of the information in this document. This document is not an endorsement of any non-Jindal Films' product or process, and we expressly disclaim any contrary implication. The terms "we," "our," "Jindal Films" and "Jindal" are each used for convenience, and may include Films Americas LLC, Jindal Films Americas LLC, Films Europe S.à.r.l., Jindal Films Viron SPRL, Jindal Films India Ltd., or any companies affiliated with them in the production and sale of film products. There are a number of such affiliated companies, some with names including "Jindal" or "Films" and some not. Neither these terms and conditions, nor anything else in this document, is intended to override or supersede the legal separateness of those affiliated companies and responsibility for local action and accountability remains with them.