

# Bicor™ 70 HBS-2

Oriented Polypropylene Film

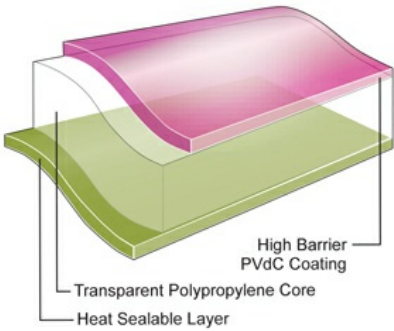


## Product Description

Bicor HBS-2 is a one-side sealable, one-side high barrier PVdC-coated OPP film designed for use as the inside sealant web in high-barrier laminations.

## Key Features

- Excellent moisture and oxygen barriers
- Excellent flavor and aroma barrier
- Excellent sealability, hot tack, and seal range
- Lap sealable to a coex outer web



## General

### Availability

- ✓ Latin America
- ✓ North America
- ✓ South America

### Features

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

### Applications

- ✓ Biscuits/Cookie/Crackers
- ✓ Confectionery, Sugar
- ✓ Bakery
- ✓ Crisps and Snacks

### Uses

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

### Appearance

- ✓ Clear/Transparent

### Processing Method

- ✓ Inner Web Adhesive Lamination
- ✓ Solvent Flexographic Printing
- ✓ Solvent Rotogravure Printing
- ✓ Inner Web Extrusion Lamination

## Properties

| Property                                   | Typical Value | Unit                                   | Test Based On   |
|--------------------------------------------|---------------|----------------------------------------|-----------------|
| Yield                                      | 56.2          | m <sup>2</sup> /kg                     | Internal Method |
| Unit Weight                                | 17.7          | g/m <sup>2</sup>                       | Internal Method |
| Film Thickness                             | 18            | µm                                     | Internal Method |
| Haze                                       | 1.8           | %                                      | Internal Method |
| Tensile Strength at Break                  |               |                                        |                 |
| 510 mm/min pull rate, 50 mm jaw separation |               |                                        |                 |
| MD                                         | 114           | Mpa                                    | Internal Method |
| TD                                         | 207           | Mpa                                    | Internal Method |
| Dimensional Stability                      |               |                                        |                 |
| 135°C / 275°F, 7 min                       |               |                                        |                 |
| MD                                         | -4.5          | %                                      | Internal Method |
| TD                                         | -4.0          | %                                      | Internal Method |
| Crimp Seal Strength                        |               |                                        |                 |
| 110°C, 0.1 Mpa, 0.75 sec                   |               |                                        |                 |
|                                            | 420           | g/2.5 cm                               | Internal Method |
| Crimp Seal (MST)                           | 91            | °C                                     | Internal Method |
| Water Vapor Transmission Rate              |               |                                        |                 |
| 38°C, 90% RH                               |               |                                        |                 |
|                                            | 2.5           | g/m <sup>2</sup> /24 hr                | Internal Method |
| Oxygen Transmission Rate                   |               |                                        |                 |
| 23°C, 0% RH                                |               |                                        |                 |
|                                            | 4.7           | 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

- HBS-2 can be lap sealed to sealable coex OPP.
- In PE laminations, Jindal Films recommends retreating, priming, or an EMA/PE extrusion blend for improved bonds.
- HBS-2 can be used in HFFS and VFFS applications.

## 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. Tested at 38°C (100°F)/100%RH, then calculated to 90%RH with .90 multiplier.
3. Sample dimensions and conditioning vary due to differences in equipment design.

## Revision date

- October 10, 2013

© 2020 Jindal Films. 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 Virton 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.