

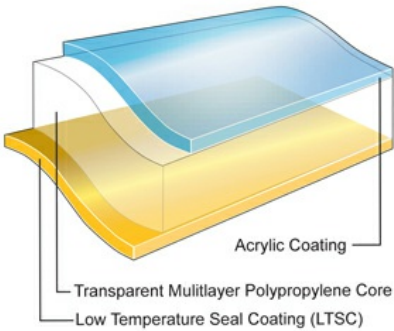
# Bicor™ 85 LTSC

Oriented Polypropylene Film



## Product Description

Bicor LTSC is a two-side coated OPP film, which is designed for use in high-speed or demanding horizontal, fin seal, packaging applications. The low-temperature seal coating (LTSC) delivers a low seal initiation temperature and wide operating range. LTSC's acrylic surface is excellent for surface printing and provides good aroma barrier.



## Key Features

- Wide sealing range with a low minim seal temperature (MST)
- Excellent seal strength and hot tack
- Robust performances on horizontal flowpack machines
- Excellent humidity seal retention on LTSC side
- Good flavour and aroma barrier
- Outstanding optical properties
- Ideal support for normal ink systems

## General

### Availability

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

### Features

- ✓ Acrylic Coated
- ✓ Flavor & Aroma Barrier
- ✓ Humidity Resistant
- ✓ Low Temperature Seal (LTS) Coated
- ✓ Very Broad Seal Range

### Applications

- ✓ Biscuits/Cookie/Crackers
- ✓ Confectionery, Gum
- ✓ Confectionery, Sugar
- ✓ Tobacco
- ✓ Bakery
- ✓ Confectionery, Chocolate
- ✓ Frozen Food
- ✓ Health and Beauty Care
- ✓ Household and Detergents

### Uses

- ✓ HFFS Flexible Packaging

### Appearance

- ✓ Clear/Transparent

### Processing Method

- ✓ Inner 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	50.5	m <sup>2</sup> /kg	Internal Method
Unit Weight	19.9	g/m <sup>2</sup>	Internal Method
Film Thickness	22	µm	Internal Method
Gloss (45°)			
Acrylic Surface	90		Internal Method
Haze	1.9	%	Internal Method
Tensile Strength at Break			
510 mm/min pull rate, 50 mm jaw separation			
MD	138	Mpa	Internal Method
TD	234	Mpa	Internal Method
Dimensional Stability			
135°C / 275°F, 7 min			
MD	-4.5	%	Internal Method
TD	-4.0	%	Internal Method
Crimp Seal Strength			
LTS/LTS			
127°C, 0.1 Mpa, 0.75 sec	490	g/2.5 cm	Internal Method
Crimp Seal (MST)			
LTS/LTS	71	°C	Internal Method
Coefficient of Friction			
Acrylic/Acrylic	0.24		Internal Method
Water Vapor Transmission Rate			
38°C, 90% RH	6.7	g/m <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

- LTSC is designed for use in horizontal packaging applications, such as bakery. This is an excellent film for high-speed HFFS equipment.
- LTSC provides a forgiving, wide operating range for applications where accurate heat control is a problem, or dwell times vary because of frequent machine speed changes.
- LTSC is only suitable for fin seal applications. The acrylic and LTSC coatings are not compatible for heat sealing to each other.
- Surface print and lamination characteristics are similar to other acrylic-coated films (AB, AB-X).
- Acrylic coating and its properties can be affected by humidity and water condensation. Thorough testing is recommended when considering acrylic coated films in refrigerated or frozen applications.
- 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.
- The low temperature seal coated surface is not designed as the print surface. Consult ink supplier for recommendations, and conduct thorough testing prior to printing on this surface.

## 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.

## Revision date

- July 27, 2022

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.