

Bicor™ 100 LTSC

Oriented Polypropylene Film

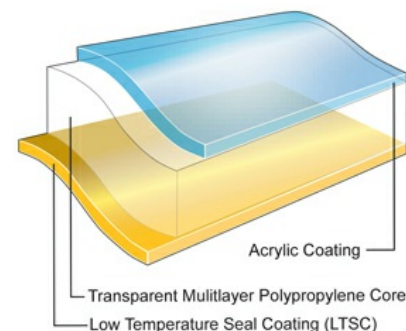
Jindal
Films

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. 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's acrylic surface is excellent for surface printing and provides good aroma barrier.

Key Features

- Wide sealing range with a low minimum seal temperature (MST)
- Excellent seal strength and hot-tack
- Robust performance 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 | ✓ In Lamination Lap Sealable |
| ✓ 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

| Property | Typical Value | Unit | Test Based On |
|--|---------------|-------------------------|-----------------|
| Yield | 44.2 | m ² /kg | Internal Method |
| Unit Weight | 22.9 | g/m ² | Internal Method |
| Film Thickness | 25 | µm | Internal Method |
| Haze | 2.1 | % | Internal Method |
| Gloss | | | |
| Acrylic Surface | 90 | | Internal Method |
| Tensile Strength at Break | | | |
| 510 mm/min pull rate, 50 mm jaw separation | | | |
| MD | 138 | 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 | | | |
| LTS/LTS | | | |
| 127°C, 0.1 Mpa, 0.75 sec | 520 | g/2.5 cm | Internal Method |
| Crimp Seal (MST) | | | |
| LTS/LTS | 71 | °C | Internal Method |
| Coefficient of Friction | 0.23 | | Internal Method |
| Water Vapor Transmission Rate | | | |
| 38°C, 90% RH | 5.7 | g/m ² /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

- 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. 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.

Revision date

- October 08, 2013

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