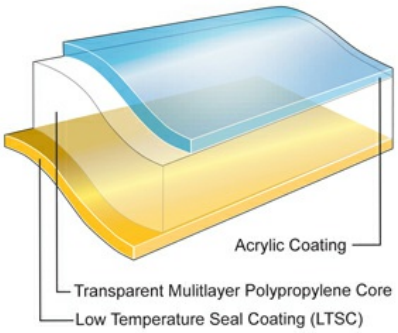
Bicor™ 100 LTSC

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. 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 & Typical Values

Property	Typical Value	Unit	Test Based On
Yield	31100	in²/lb	Internal Method
Unit Weight	14.1	lb/ream	Internal Method
Film Thickness	1.0	mil	Internal Method
Haze	2.1	%	Internal Method
Gloss (45°)			
Acrylic Surface	90		Internal Method
Tensile Strength at Break			
20 in/min pull rate, 2.0 in jaw separation			
MD	20000	psi	Internal Method
TD	30000	psi	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			
260°F, 20 psi, 0.75 sec	530	g/in	Internal Method
Crimp Seal (MST)			
LTS/LTS	160	°F	Internal Method
Coefficient of Friction	0.23		Internal Method
Water Vapor Transmission Rate			
100°F, 90% RH	0.37	g/100 in²/24 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 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 identfied 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