

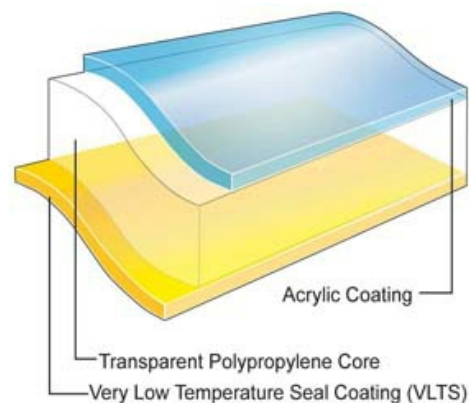
Oriented Polypropylene Film

Product Description

Bicor 20MB668 is a high speed transparent, biaxially oriented polypropylene film, coated one side acrylic, one side very low temperature seal (VLTS) coating. VLTS coating provides excellent performances on high speed HFFS machines. Acrylic coating provides aroma barrier and an excellent support for printing.

Key Features

- Exceptionally 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 VLTS side
- Good aroma barrier
- Outstanding optical properties
- Ideal support for normal ink systems
- Water-based coatings



General

Availability

- ✓ Africa & Middle East
- ✓ Asia Pacific
- ✓ Europe

Features

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

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

Revision date

 October 10, 2013

Properties

| Property | Typical Value | Unit | Test Based On |
|---|---------------|--|-----------------|
| Yield | 55.3 | m ² /kg | Internal Method |
| Unit Weight | 18.1 | g/m ² | Internal Method |
| Film Thickness | 20 | μ | Internal Method |
| Haze | 1.2 | % | Internal Method |
| Gloss(45°) | 87 | | Internal Method |
| Tensile Strength at Break <i>200 mm/min pull rate, 120 mm jaw separation</i> | | | |
| MD | 160 | Mpa | Internal Method |
| TD | 290 | Mpa | Internal Method |
| Elongation at Break <i>200 mm/min pull rate, 120 mm jaw separation</i> | | | |
| MD | 175 | % | Internal Method |
| TD | 60 | % | Internal Method |
| Dimensional Stability 135°C / 275°F, 7 min | | | |
| MD | -6.0 | % | Internal Method |
| TD | -5.5 | % | Internal Method |
| Elastic Modulus | | | |
| MD | 2000 | Mpa | Internal Method |
| TD | 3800 | Mpa | Internal Method |
| Seal Strength (ESM) <i>VLTS/VLTS</i> | | | |
| 85°C, 0.034 Mpa, 2 sec | 300 | g/2.5 cm | Internal Method |
| Heat Seal Range <i>VLTS/VLTS</i> | | | |
| | 70 | °C | Internal Method |
| Coefficient of Friction | | | |
| Acrylic/Acrylic | 0.25 | | Internal Method |
| VLTS/VLTS | 0.40 | | Internal Method |
| Water Vapor Transmission Rate | | | |
| 38°C, 90% RH | 7.0 | g/m ² /24 hr | Internal Method |
| 23°C, 85% RH | 1.4 | g/m ² /24 hr | Internal Method |
| Oxygen Transmission Rate | | | |
| 23°C, 0% RH | 1000 | cm ³ /m ² /24 hr | Internal Method |
| Oxygen Transmission Rate (Wet) | | | |
| 23°C, 75% RH | 1000 | cm ³ /m ² /24 hr | Internal Method |

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

Acrylic and VLTS coatings are not seal compatible.

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.

Typical properties: these are not to be construed as specifications.

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