

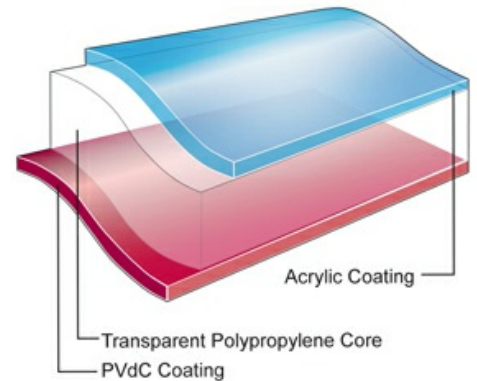
Oriented Polypropylene Film

Product Description

Bicor 32MB777 is a high gas barrier, biaxially oriented transparent PP film, coated one side PVdC, one side acrylic. This film provides outstanding performance on all packaging machines.

Key Features

- Excellent moisture, oxygen and aroma barriers
- Excellent seal strength and hot tack
- Excellent retention of PVdC seals in humid conditions
- Outstanding optical properties
- Ideal support for water based ink printing on acrylic side
- Water based coatings



General

Availability

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

Features

- ✓ Acrylic Coated
- ✓ Gas Barrier
- ✓ PVdC Coated
- ✓ Flavor & Aroma Barrier
- ✓ Moisture Barrier
- ✓ Humidity Resistant
- ✓ In Lamination Lap Sealable
- ✓ Oxygen Barrier

Applications

- ✓ Biscuits/Cookie/Crackers
- ✓ Confectionery, Sugar
- ✓ Dairy Products
- ✓ Crisps and Snacks
- ✓ Ice Cream
- ✓ Box Overwrap
- ✓ Bakery
- ✓ Health and Beauty Care
- ✓ Dry Foods and Beverage Powders
- ✓ Confectionery, Gum
- ✓ Confectionery, Chocolate
- ✓ Household and Detergents
- ✓ Pet Food

Uses

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

Appearance

- ✓ Clear/Transparent

Processing Method

- ✓ Cold Seal Adhesive
- ✓ Inner Web Adhesive Lamination
- ✓ Outer 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 | 32.8 | m ² /kg | Internal Method |
| Unit Weight | 30.4 | g/m ² | Internal Method |
| Film Thickness | 32 | μ | Internal Method |
| Haze | 1.7 | % | Internal Method |
| Gloss(45°) | 98 | | Internal Method |
| Tensile Strength at Break 200 mm/min pull rate, 120 mm jaw separation | | | |
| MD | 160 | Mpa | Internal Method |
| TD | 290 | Mpa | Internal Method |
| Elongation at Break 200 mm/min pull rate, 120 mm jaw separation | | | |
| 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>PVdC/PVdC</i> | | | |
| 105°C, 0.034 Mpa, 2 sec | 300 | g/2.5 cm | Internal Method |
| <i>Acrylic/Acrylic</i> | | | |
| 105°C, 0.034 Mpa, 2 sec | 300 | g/2.5 cm | Internal Method |
| Heat Seal Range | | | |
| Acrylic/Acrylic | 50 | °C | Internal Method |
| PVdC/PVdC | 30 | °C | Internal Method |
| Coefficient of Friction | | | |
| Acrylic/Acrylic | 0.25 | | Internal Method |
| PVdC/PVdC | 0.35 | | Internal Method |
| Water Vapor Transmission Rate | | | |
| 38°C, 90% RH | 3.8 | g/m ² /24 hr | Internal Method |
| 23°C, 85% RH | 0.80 | g/m ² /24 hr | Internal Method |
| Oxygen Transmission Rate | | | |
| 23°C, 0% RH | 20 | cm ³ /m ² /24 hr | Internal Method |
| Oxygen Transmission Rate (Wet) | | | |
| 23°C, 75% RH | 20.0 | 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.

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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