

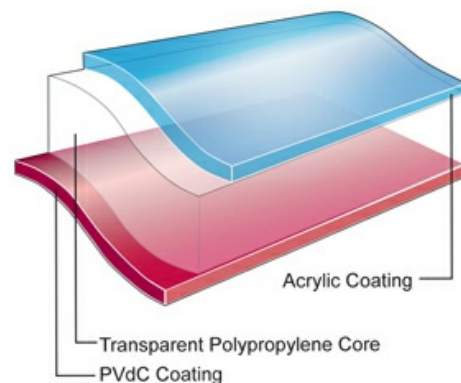
Oriented Polypropylene Film

Product Description

Bicor 21MB777 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 and is mainly proposed for use in lamination.

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	48.9	m ² /kg	Internal Method
Unit Weight	20.4	g/m ²	Internal Method
Film Thickness	21	μ	Internal Method
Haze	1.6	%	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
Water Vapor Transmission Rate			
38°C, 90% RH	5.0	g/m ² /24 hr	Internal Method
23°C, 85% RH	1.1	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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