

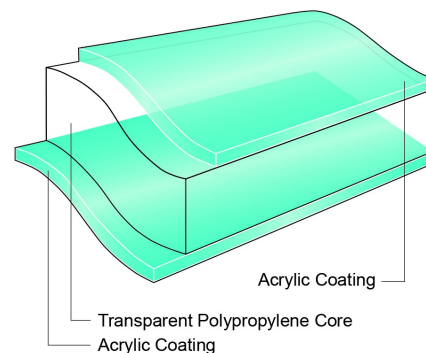
Bicor™ MB666 - Oriented Polypropylene Film



FLEXIBLE PACKAGING PRODUCT DATA SHEET

Product Description

Bicor™ MB666 is a biaxially oriented transparent polypropylene film, acrylic coated two sides. It provides outstanding performance on all packaging machines and is proposed for use in lamination for thinner films.



Key Features

- Low sealing threshold
- High seal strength even under low pressure sealing conditions-
- Good aroma barrier
- Excellent packaging machine performance
- Outstanding optical properties
- Ideal support for normal ink systems
- Water based coatings
- Improved barrier to Mineral Oils compared to non-barrier film⁽¹⁾
- Significant mineral oils contamination protection period of more than 2 years

Properties & Typical Values

Properties	Unit	20MB666	25MB666	30MB666	35MB666	40MB666	Test Method
Yield	m ² /kg	55.0	44.0	35.5	31.4	26.8	ITM 01
Unit Weight	g/m ²	18.2	22.7	28.2	31.8	37.3	ITM 01
Film Thickness	μm	20	25	31	35	41	ITM 02
Gloss (45°)	Gloss Units	85	85	85	85	85	ITM 14
Haze	%	1.4	1.7	1.8	1.8	1.9	ITM 06
Tensile Strength at Break - MD TD 200 mm/min pull rate, 120 mm jaw separation	Mpa	160 290	160 290	160 290	120 245	120 245	ITM 50
Dimensional Stability 135°C / 275°F, 7 min - MD TD	%	-6.0 -5.5	-6.0 -5.5	-6.0 -5.5	-4.0 -2.0	-4.0 -2.0	ITM 37
Elongation at Break - MD TD 200 mm/min pull rate, 120 mm jaw separation	%	175 60	175 60	175 60	175 65	175 65	ITM 50
Elastic Modulus - MD TD	Mpa	2000 3800	2000 3800	2000 3800	2000 3500	2000 3500	ITM 50
Minimum Sealing Temperature (Min 300g/25mm) - 25N/cm ² - 0,5 sec - Flat/Flat Acrylic / Acrylic	°C	95	95	95	95	95	ITM 26
Heat Seal Range (RDM) - Acrylic/Acrylic RDM - 25N/cm ² - 0.5 sec - Flat/Flat	°C	55	55	55	55	55	ITM 26
Coefficient of Friction - Both Sides		0.25	0.25	0.25	0.25	0.25	ITM 20
Water Vapor Transmission Rate - 38°C, 90% RH	g/m ² /24 hr	7.0	5.0	4.5	4.0	3.5	ITM 46
Oxygen Transmission Rate - 23°C, 0% RH	cm ³ /m ² /24 hr	1000	850	750	650	600	ITM 42

TYPICAL VALUES SHOULD NOT BE CONSTRUED AS FINISHED PRODUCT SPECIFICATIONS (FPS).

Market Segments

- ✓ Biscuits/Cookie/Crackers
- ✓ Confectionery, Sugar
- ✓ Health and Beauty Care
- ✓ Pet Food
- ✓ Box Overwrap
- ✓ Tobacco
- ✓ Household and Detergents
- ✓ Confectionery, Gum
- ✓ Confectionery, Chocolate
- ✓ Crisps and Snacks

Applications

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

Processing Method

- ✓ Cold Seal Adhesive
- ✓ Inner Web Adhesive Lamination
- ✓ Outer Web Adhesive Lamination
- ✓ Solvent Flexographic Printing
- ✓ Solvent Rotogravure Printing
- ✓ Surface Print Unsupported

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: <http://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

Contact your Jindal Films Technical Service Representative for processing recommendations and guidelines.

Storage

You will find all information about storage conditions into the sign in area of our website <http://www.jindalfilms.com/login-register-docmg/>, under the section "Information on food safety and quality practices". The name of the document is "Storage recommendations".

Footnotes

- (1) Please contact your sales representative to get quantitative data on film barrier properties to Mineral Oils (MOSH and MOAH).
- Dimensional stability is reported for uncoated base film.
- Please contact your Sales Representative for complete country availability.

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