

Bicor™ 25MB400

Oriented Polypropylene Film

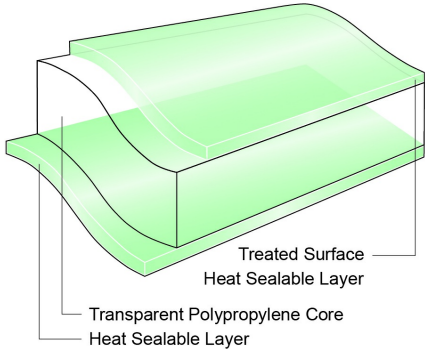


Product Description

Bicor™ MB400 is a heat sealable coextruded biaxially oriented polypropylene film that can be used on a wide range of packaging machines. MB400 can be either used as mono material or in laminated structures.

Key Features

- Outstanding optical properties
- Good seal strength
- Good dimensional stability
- Good hot slip
- Good hot tack



General

Availability

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

Features

- ✓ In Lamination Lap Sealable

Applications

- ✓ Biscuits/Cookie/Crackers
- ✓ Confectionery, Sugar
- ✓ Confectionery, Chocolate
- ✓ Household and Detergents
- ✓ Ice Cream
- ✓ Box Overwrap
- ✓ Bakery
- ✓ Frozen Food
- ✓ Crisps and Snacks
- ✓ Confectionery, Gum
- ✓ Fresh Produce
- ✓ Health and Beauty Care
- ✓ Pet Food

Uses

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

Appearance

- ✓ Clear/Transparent

Processing Method

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

Properties & Typical Values

Property	Typical Value	Unit	Test Based On
Yield	44.0	m ² /kg	Internal Method
Unit Weight	22.8	g/m ²	Internal Method
Film Thickness	25	µm	Internal Method
Gloss (45°)	85	Gloss Unit	Internal Method
Haze	1.8	%	Internal Method
Tensile Strength at Break 200 mm/min pull rate, 120 mm jaw separation			
MD	140	Mpa	Internal Method
TD	290	Mpa	Internal Method
Dimensional Stability 135°C / 275°F, 7 min			
MD	-5.0	%	Internal Method
TD	-5.0	%	Internal Method
Elongation at Break 200 mm/min pull rate, 120 mm jaw separation			
MD	205	%	Internal Method
TD	55	%	Internal Method
Elastic Modulus			
MD	2000	Mpa	Internal Method
TD	3500	Mpa	Internal Method
Minimum Sealing Temperature (Min 300g/25mm)			
Treated			
25N/cm2 - 0,5 sec - Flat/Flat	115	°C	Internal Method
Heat Seal Range (RDM)			
RDM - 25N/cm ² - 0.5 sec - Flat/Flat			
Untreated Surface	40	°C	Internal Method
Treated - RDM - 25N/cm ² - 0.5 sec - Flat/Flat			
	35	°C	Internal Method
Coefficient of Friction			
Both Sides	0.30		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

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

Refreshing the surface with corona treatment of the processable side before usage is recommended. Contact your Jindal Films Technical Service Representative for processing recommendations and guidelines.

Footnotes

- Please contact your Sales Representative for complete country availability

Revision date

- March 15, 2024

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