

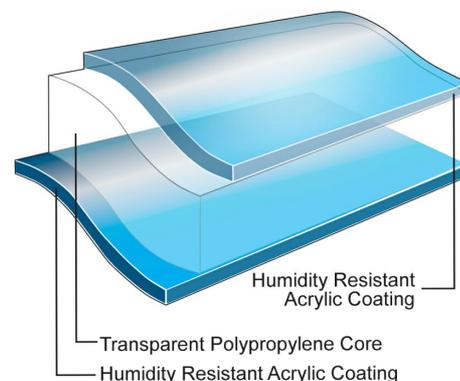
Oriented Polypropylene Film

Product Description

Bicor 52MBR666 is a biaxially oriented transparent polypropylene film coated with humidity resistant acrylic on both sides. This film is designed to wrap products with a high moisture content or products stored in humid conditions. 52MBR666 gives outstanding performance on all packaging machines. 52MBR666 is optimized for overwrap applications in paper ream wrap packaging.

Key Features

- Excellent humidity seal retention on both sides
- Low sealing threshold
- High seal strengths even under low pressure sealing
- Good aroma barrier
- Excellent packaging machine performance
- Outstanding optical properties
- Excellent stiffness
- Ideal support for normal ink systems
- Water based coatings



General

Availability

- | | | |
|------------------------|-----------------|-----------------|
| ✓ Latin America | ✓ North America | ✓ South America |
| ✓ Africa & Middle East | ✓ Asia Pacific | ✓ Europe |

Features

- | | | |
|--------------------------|--------------------|-------------------------------------|
| ✓ Flavor & Aroma Barrier | ✓ Broad Seal Range | ✓ Humidity Resistant Acrylic Coated |
|--------------------------|--------------------|-------------------------------------|

Applications

- | | | |
|--------------------------|----------------------------|-------------------|
| ✓ Box Overwrap | ✓ Fresh Produce | ✓ Frozen Food |
| ✓ Health and Beauty Care | ✓ Household and Detergents | ✓ Paper Ream wrap |
| ✓ Ice Cream | ✓ Industrial | |

Uses

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

Appearance

- | |
|---------------------|
| ✓ Clear/Transparent |
|---------------------|

Processing Method

- | | | |
|---------------------------------|--------------------------------|-----------------------------|
| ✓ Solvent Flexographic Printing | ✓ Solvent Rotogravure Printing | ✓ Surface Print Unsupported |
|---------------------------------|--------------------------------|-----------------------------|

Revision date

 January 28, 2014

Properties

Property	Typical Value	Unit	Test Based On
Yield	21.1	m ² /kg	Internal Method
Unit Weight	47.4	g/m ²	Internal Method
Film Thickness	52	μ	Internal Method
Haze	1.4	%	Internal Method
Gloss(45°)	85		Internal Method
Tensile Strength at Break <i>200 mm/min pull rate, 120 mm jaw separation</i>			
MD	120	Mpa	Internal Method
TD	245	Mpa	Internal Method
Elongation at Break <i>200 mm/min pull rate, 120 mm jaw separation</i>			
MD	175	%	Internal Method
TD	65	%	Internal Method
Dimensional Stability 135°C / 275°F, 7 min			
MD	-4	%	Internal Method
TD	-2	%	Internal Method
Elastic Modulus			
MD	2000	Mpa	Internal Method
TD	3500	Mpa	Internal Method
Seal Strength (LPS) 100°C, 0.003 Mpa, 0.5 sec			
	200	g/2.5 cm	Internal Method
Seal Strength (ESM) 105°C, 0.034 Mpa, 2 sec			
	300	g/2.5 cm	Internal Method
Seal Range (ESM) 0.034 Mpa, 2 sec			
	50	°C	Internal Method
Coefficient of Friction			
	0.23		Internal Method
Water Vapor Transmission Rate			
38°C, 90% RH	2.5	g/m ² /24 hr	Internal Method
23°C, 85% RH	0.4	g/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.

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

© 2013 Jindal Films. Jindal Films, the Jindal Films logo, and other product or service names used herein are trademarks of Jindal Films, unless indicated otherwise. This document may not be distributed, displayed, copied or altered without Jindal Films' prior written authorization. To the extent Jindal Films authorizes distributing, displaying and/or copying of this document, the user may do so only if the document is unaltered and complete, including all of its headers, footers, disclaimers and other information. You may not copy this document to, or reproduce it in whole or in part on, a website. Jindal Films does not guarantee the typical (or other) values. Any data included herein is based upon analysis of representative samples and not the actual product shipped. The information in this document relates only to the named product or materials when not in combination with any other product or materials. We based the information on data believed to be reliable on the date compiled, but we do not represent, warrant, or otherwise guarantee the accuracy, reliability, or completeness of this information; nor do we warrant, expressly or impliedly, the merchantability, fitness for a particular purpose, freedom from patent infringement, or suitability of the products, materials or processes described. The user is solely responsible for all determinations regarding any use of material or product and any process in its territories of interest. We expressly disclaim liability for any loss, damage or injury directly or indirectly suffered or incurred as a result of, or related to, anyone using or relying on any of the information in this document. This document is not an endorsement of any non-Jindal Films' product or process, and we expressly disclaim any contrary implication. The terms "we," "our," "Jindal Films" and "Jindal" are each used for

convenience, and may include Films Americas LLC, Jindal Films Americas LLC, Films Europe S.A.R.L. or any companies affiliated with them in the production and sale of film products. There are a number of such affiliated companies, many with names including "Jindal" or "Film". Neither the use of these terms of convenience, nor anything else in this document, is intended to override or supersede the legal separateness of those affiliated companies and responsibility for local action and accountability remains with them.