

ExxonMobil Bicor™ 26MB768 OPP Film

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Film Grade

Material Notes:

Product Description: A high gas barrier, biaxially oriented transparent polypropylene film, coated on one side PVdC, one side very low temperature seal (VLTS) coating. PVdC provides an excellent moisture, gas and aroma protection for all types of products and VLTS coating provides excellent performance on high speed HFFS machines. **Availability:** Africa & Middle East, Asia Pacific and Europe **Key Features:** Excellent moisture, oxygen and aroma barriers Exceptionally wide sealing range with a low minimum seal temperature (MST) Excellent seal strength and hot tack Robust performance on horizontal flowpack machines Excellent seal retention in humid conditions Outstanding optical properties **Water-based coatings Features:** Flavor & Aroma Barrier Gas Barrier High Barrier Printable PVdC Coated Humidity Resistant In Lamination Lap Sealable Moisture Barrier Oxygen Barrier Very Broad Seal Range VLTS Coated **Applications:** Bakery Biscuits/Cookie/Crackers Confectionery, Chocolate Confectionery, Gum Confectionery, Sugar Health and Beauty **Care Uses:** HFFS Flexible Packaging **Processing Method:** Solvent Flexographic Printing, Solvent Rotogravure Printing and Surface Print **Unsupported Information provided by ExxonMobil**

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http://www.lookpolymers.com/polymer_ExxonMobil-Bicor-26MB768-OPP-Film.php

Physical Properties	Metric	English	Comments
Water Vapor Transmission	0.900 g/m ² /day	0.0580 g/100 in ² /day	85% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	2.95 g/m ² /day	0.190 g/100 in ² /day	90% RH; ExxonMobil Method
	@Temperature 38.0 °C	@Temperature 100 °F	
Oxygen Transmission Rate	20.0 cc/m ² /day	1.29 cc/100 in ² /day	Wet, 75% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	20.2 cc/m ² /day	1.30 cc/100 in ² /day	0% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Thickness	25.4 microns	1.00 mil	ExxonMobil Method
Coating Weight	23.5 g/m ²	14.7 lb/ream	ExxonMobil Method

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	200 %	200 %	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Film Elongation at Break, TD	65 %	65 %	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Modulus of Elasticity	2.20 GPa	319 ksi	MD; ExxonMobil Method
	3.50 GPa	508 ksi	TD; ExxonMobil Method

Coefficient of Friction Mechanical Properties	0.28 Metric	0.28 English	PVdC; ExxonMobil Method Comments
	0.40	0.40	VLTS; ExxonMobil Method
Seal Strength	410 g/25 mm @Pressure 0.138 MPa, Temperature 80.0 °C	410 g/in @Pressure 20.0 psi, Temperature 176 °F	LTS, 0.8 sec; ExxonMobil Method
Film Tensile Strength at Break, MD	135 MPa	19600 psi	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Film Tensile Strength at Break, TD	275 MPa	39900 psi	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method

Thermal Properties	Metric	English	Comments
Shrinkage, MD	5.0 % @Temperature 135 °C, Time 432 sec	5.0 % @Temperature 275 °F, Time 0.120 hour	ExxonMobil Method
Shrinkage, TD	5.0 % @Temperature 135 °C, Time 432 sec	5.0 % @Temperature 275 °F, Time 0.120 hour	ExxonMobil Method

Optical Properties	Metric	English	Comments
Haze	1.6 %	1.6 %	ExxonMobil Method
Gloss	98 %	98 %	45°; ExxonMobil Method

Descriptive Properties	Value	Comments
Carbon Dioxide Transmission Rate	5.16 cc/100 in ² / 24 hr	75% RH, ASTM D1434
Heat Seal Range	126°F	36.3 psi, 0.2 sec
Nitrogen Transmission Rate	0.645 cc/100 in ² / 24 hr	75% RH, ASTM D1434
Yield	29300 in ² /lb	

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