

## ExxonMobil Bicolor™ 25MB668 OPP Film

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

### Material Notes:

**Product Description:** A high speed transparent, biaxially oriented polypropylene film, coated one side acrylic, one side very low seal temperature (VLTS) coating. VLTS coating provides excellent performances on high speed HFFS machines. Acrylic coating provides aroma barrier and excellent support for printing. **Availability:** Africa & Middle East, Asia Pacific and Europe **Key Features:** Exceptional wide sealing range with a low minimum seal temperature (MST) Excellent seal strength and Hot-tack Robust performance on horizontal flowpack machines Excellent humidity seal retention on VLTS side Good aroma barrier Outstanding optical properties Ideal support for normal ink systems Water-based coatings **Features:** Acrylic Coated Flavor & Aroma Barrier Humidity Resistant Very Broad Seal Range VLTS Coated **Applications:** Bakery Biscuits/Cookie/Crackers Confectionery, Chocolate Confectionery, Gum Confectionery, Sugar Frozen Food Health and Beauty Care Health and Beauty Care Household and Detergents Ice Cream Uses: HFFS Flexible Packaging Processing **Method:** Inner Web Adhesive Lamination, Solvent Rotogravure Printing and Surface Print **Unsupported Information provided by ExxonMobil**

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-Bicolor-25MB668-OPP-Film.php](http://www.lookpolymers.com/polymer_ExxonMobil-Bicolor-25MB668-OPP-Film.php)

Physical Properties	Metric	English	Comments
Water Vapor Transmission	1.10 g/m <sup>2</sup> /day	0.0710 g/100 in <sup>2</sup> /day	85% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	4.97 g/m <sup>2</sup> /day	0.320 g/100 in <sup>2</sup> /day	90% RH; ExxonMobil Method
	@Temperature 38.0 °C	@Temperature 100 °F	
Oxygen Transmission Rate	850 cc/m <sup>2</sup> /day	54.8 cc/100 in <sup>2</sup> /day	Wet, 75% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	854 cc/m <sup>2</sup> /day	55.0 cc/100 in <sup>2</sup> /day	0% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Thickness	24.9 microns	0.980 mil	ExxonMobil Method
Coating Weight	22.2 g/m <sup>2</sup>	13.9 lb/ream	ExxonMobil Method

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	175 %	175 %	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Film Elongation at Break, TD	60 %	60 %	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Modulus of Elasticity	2.00 GPa	290 ksi	MD; ExxonMobil Method
	3.80 GPa	551 ksi	TD; ExxonMobil Method
Coefficient of Friction	0.25	0.25	Acrylic; ExxonMobil Method

Mechanical Properties	Metric	English	Comments
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	160 MPa	23200 psi	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Film Tensile Strength at Break, TD	290 MPa	42100 psi	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method

Thermal Properties	Metric	English	Comments
Shrinkage, MD	6.0 % @Temperature 135 °C, Time 432 sec	6.0 % @Temperature 275 °F, Time 0.120 hour	ExxonMobil Method
Shrinkage, TD	5.5 % @Temperature 135 °C, Time 432 sec	5.5 % @Temperature 275 °F, Time 0.120 hour	ExxonMobil Method

Optical Properties	Metric	English	Comments
Haze	1.2 %	1.2 %	ExxonMobil Method
Gloss	87 %	87 %	45°; ExxonMobil Method

Descriptive Properties	Value	Comments
Heat Seal Range	126°F	VLTS, 36.3 psi, 0.2 sec
Yield	31100 in <sup>2</sup> /lb	

## Contact Songhan Plastic Technology Co.,Ltd.

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