

## ExxonMobil Bicolor™ 20MB668 OPP Film

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

### Material Notes:

**Product Description:** Bicolor 20MB668 is a high speed transparent, biaxially oriented polypropylene film, coated one side acrylic, one side very low temperature seal (VLTS) coating. VLTS coating provides excellent performances on high speed HFFS machines.

**Acrylic coating** provides aroma barrier and an 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/Cookies/Crackers Confectionery, Chocolate Confectionery, Gum Confectionery, Sugar Frozen Food Health and Beauty Care Household and Detergents Ice Cream Tobacco

**Uses:** HFFS Flexible Packaging Processing

**Method:** Inner Web Adhesive Lamination, Solvent Flexographic Printing, 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-20MB668-OPP-Film.php](http://www.lookpolymers.com/polymer_ExxonMobil-Bicolor-20MB668-OPP-Film.php)

Physical Properties	Metric	English	Comments
Water Vapor Transmission	1.40 g/m <sup>2</sup> /day	0.0900 g/100 in <sup>2</sup> /day	85% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	6.98 g/m <sup>2</sup> /day	0.450 g/100 in <sup>2</sup> /day	90% RH; ExxonMobil Method
	@Temperature 38.0 °C	@Temperature 100 °F	
Oxygen Transmission Rate	1000 cc/m <sup>2</sup> /day	64.5 cc/100 in <sup>2</sup> /day	Wet, 75% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	1010 cc/m <sup>2</sup> /day	65.0 cc/100 in <sup>2</sup> /day	0% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Thickness	20.1 microns	0.790 mil	ExxonMobil Method
Coating Weight	17.8 g/m <sup>2</sup>	11.1 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 Mechanical Properties	0.25 Metric	0.25 English	Acrylic; 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	0.8 sec, LTS; 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	36.3 psi, 0.2 sec
Yield	38900 in <sup>2</sup> /lb	

## Contact Songhan Plastic Technology Co.,Ltd.

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