

## ExxonMobil Bicolor™ 20MB666 OPP Film

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

### Material Notes:

**Product Description:** Bicolor 20MB666 is a biaxially oriented transparent polypropylene film acrylic coated two sides. It provides outstanding performance on all packaging machines and is mainly proposed for use in lamination. **Availability:** Africa & Middle East, Asia Pacific and Europe **Key Features:** Low sealing threshold High seal strength even under low pressure sealing conditions Good aroma barrier Excellent packaging machine performance Outstanding optical properties Ideal support for normal ink systems Water based coatings **Features:** Acrylic Coated Flavor & Aroma Barrier In Lamination Lap Sealable **Applications:** Biscuits/Cookies/Crackers Box Overwrap Confectionery, Chocolate Confectionery, Gum Confectionery, Sugar Crisps and Snacks Health and Beauty Care Household and Detergents Pet Food Uses: Box Overwrap Flexible Packaging HFFS Flexible Packaging Pre-made Bags – Flexible Packaging VFFS Flexible Packaging **Processing Method:** Cold Seal Adhesive, Inner Web Adhesive Lamination, Outer 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-20MB666-OPP-Film.php](http://www.lookpolymers.com/polymer_ExxonMobil-Bicolor-20MB666-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	17.9 g/m <sup>2</sup>	11.2 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	Both Sides; ExxonMobil Method

Mechanical Properties	Metric <sup>#5 mm</sup>	English <sup>#1</sup>	Comments
Seal Strength	@Pressure 0.276 MPa, Temperature 130 °C	@Pressure 40.0 psi, Temperature 266 °F	Otto Brager, 0.2 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 %	6.0 %	ExxonMobil Method
Shrinkage, TD	5.5 % @Temperature 135 °C	5.5 % @Temperature 275 °F	ExxonMobil Method

Optical Properties	Metric	English	Comments
Haze	1.2 %	1.2 %	ExxonMobil Method
Gloss	85 %	85 %	45°; ExxonMobil Method

Descriptive Properties	Value	Comments
Heat Seal Range	90°F	36.3 psi, 0.2 sec
Yield	38700 in <sup>2</sup> /lb	

## Contact Songhan Plastic Technology Co.,Ltd.

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