

## ExxonMobil Bicolor™ 32MB777 OPP Film

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

### Material Notes:

**Product Description:** A high gas barrier, biaxially oriented transparent polypropylene film, coated one side PVdC, one side acrylic. This film provides outstanding performance on all packaging machines. **Availability:** Africa & Middle East, Asia Pacific and Europe

**Features:** Excellent moisture, oxygen and aroma barriers Excellent seal strength and hot tack Excellent retention of PVdC seals in humid conditions Outstanding optical properties Ideal support for water based ink printing on acrylic side Water based coatings **Features:** Acrylic Coated Flavor & Aroma Barrier Gas Barrier Humidity Resistant In Lamination Lap Sealable Moisture Barrier Oxygen Barrier Very PVdC Coated

**Applications:** Bakery Biscuits/Cookie/Crackers Box Overwrap Confectionery, Chocolate Confectionery, Gum Confectionery, Sugar Crisps and Snacks Dairy Products Dry Foods and Beverage Powders Health and Beauty Care Household and Detergents Ice Cream Pet

**Food Uses:** Box Overwrap Flexible Packaging HFFS Flexible Packaging Pre-made – 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-32MB777-OPP-Film.php](http://www.lookpolymers.com/polymer_ExxonMobil-Bicolor-32MB777-OPP-Film.php)

Physical Properties	Metric	English	Comments
Water Vapor Transmission	0.807 g/m <sup>2</sup> /day	0.0520 g/100 in <sup>2</sup> /day	85% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	3.88 g/m <sup>2</sup> /day	0.250 g/100 in <sup>2</sup> /day	90% RH; ExxonMobil Method
	@Temperature 38.0 °C	@Temperature 100 °F	
Oxygen Transmission Rate	20.0 cc/m <sup>2</sup> /day	1.29 cc/100 in <sup>2</sup> /day	Wet, 75% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	20.2 cc/m <sup>2</sup> /day	1.30 cc/100 in <sup>2</sup> /day	0% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Thickness	33.0 microns	1.30 mil	ExxonMobil Method
Coating Weight	29.9 g/m <sup>2</sup>	18.7 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
	0.35	0.35	PVdC; ExxonMobil Method
Seal Strength	510 g/25 mm @Pressure 0.276 MPa, Temperature 140 °C	510 g/in @Pressure 40.0 psi, Temperature 284 °F	PVdC, 0.2 sec; ExxonMobil Method
	610 g/25 mm @Pressure 0.276 MPa, Temperature 130 °C	610 g/in @Pressure 40.0 psi, Temperature 266 °F	Acrylic, 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 % @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	1.7 %	1.7 %	ExxonMobil Method
Gloss	98 %	98 %	45°; ExxonMobil Method

Descriptive Properties	Value	Comments
Carbon Dioxide Transmission Rate	5.16 cc/100 in <sup>2</sup> / 24 hr	75% RH, ASTM D1434
Heat Seal Range	54°F	PVdC, 36.3 psi, 0.2 sec
	90°F	Acrylic, 36.3 psi, 0.2 sec
Nitrogen Transmission Rate	0.645 cc/100 in <sup>2</sup> / 24 hr	75% RH, ASTM D1434
Yield	23100 in <sup>2</sup> /lb	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China