

## ExxonMobil Bicolor™ 32MB600 OPP Film

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

### Material Notes:

**Product Description:** A biaxially oriented transparent polypropylene film, acrylic coated two sides. Gives outstanding performance on overwrap and HFFS machines. **Availability:** Africa & Middle East, Asia Pacific and Europe **Key Features:** Low sealing threshold Efficient Sealability under Low Pressure Good Aroma Barrier Outstanding optical properties Excellent Performance on Overwrap Packaging Machines Ideal Support for Normal Ink Systems Water-based coatings **Features:** Acrylic Coated Flavor & Aroma Barrier **Applications:** Biscuits/Cookie/Crackers Box Overwrap Confectionery, Chocolate Confectionery, Gum Confectionery, Sugar Health and Beauty Care **Uses:** Box Overwrap Flexible Packaging Pre-made Bags – Flexible Packaging **Processing Method:** 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-32MB600-OPP-Film.php](http://www.lookpolymers.com/polymer_ExxonMobil-Bicolor-32MB600-OPP-Film.php)

Physical Properties	Metric	English	Comments
Water Vapor Transmission	0.900 g/m <sup>2</sup> /day	0.0580 g/100 in <sup>2</sup> /day	85% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	4.19 g/m <sup>2</sup> /day	0.270 g/100 in <sup>2</sup> /day	90% RH; ExxonMobil Method
	@Temperature 38.0 °C	@Temperature 100 °F	
Oxygen Transmission Rate	745 cc/m <sup>2</sup> /day	48.0 cc/100 in <sup>2</sup> /day	0% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	751 cc/m <sup>2</sup> /day	48.4 cc/100 in <sup>2</sup> /day	Wet, 75% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Thickness	33.0 microns	1.30 mil	ExxonMobil Method
Coating Weight	28.6 g/m <sup>2</sup>	17.9 lb/ream	ExxonMobil Method

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	160 %	160 %	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Film Elongation at Break, TD	50 %	50 %	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Modulus of Elasticity	2.20 GPa	319 ksi	MD; ExxonMobil Method
	4.00 GPa	580 ksi	TD; ExxonMobil Method
Coefficient of Friction	0.25	0.25	Both Sides; ExxonMobil Method
	200 g/25 mm	200 g/in	

Mechanical Properties	Metric	English	Comments
	@Pressure 0.00345 MPa, Temperature 100 °C	@Pressure 0.500 psi, Temperature 212 °F	0.010 sec; ExxonMobil Method
	510 g/25 mm	510 g/in	Otto Brugger, 0.2 sec; ExxonMobil Method
	@Pressure 0.276 MPa, Temperature 130 °C	@Pressure 40.0 psi, Temperature 266 °F	
Film Tensile Strength at Break, MD	130 MPa	18900 psi	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Film Tensile Strength at Break, TD	250 MPa	36300 psi	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method

Thermal Properties	Metric	English	Comments
Shrinkage, MD	4.0 %  @Temperature 135 °C, Time 432 sec	4.0 %  @Temperature 275 °F, Time 0.120 hour	ExxonMobil Method
Shrinkage, TD	2.0 %  @Temperature 135 °C, Time 432 sec	2.0 %  @Temperature 275 °F, Time 0.120 hour	ExxonMobil Method

Optical Properties	Metric	English	Comments
Haze	1.3 %	1.3 %	ExxonMobil Method
Gloss	86 %	86 %	45°; ExxonMobil Method

Descriptive Properties	Value	Comments
Heat Seal Range	90°F	36.3 psi, 0.2 sec
Yield	24200 in <sup>2</sup> /lb	

## Contact Songhan Plastic Technology Co.,Ltd.

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