

## ExxonMobil Bicolor™ 30MBT666 OPP Film

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

### Material Notes:

**Product Description:** A biaxially oriented transparent polypropylene film, acrylic coated two sides. This film is specifically suitable for unsupported overwrapping, offering unique aspect and cost reduction advantage. **Availability:** Africa & Middle East, Asia Pacific and Europe **Key Features:** Low sealing threshold High seal strength even under low pressure sealing Excellent packaging machine performance Outstanding optical properties No seal compatibility between acrylic coating and coex film Water-based coatings **Features:** Acrylic Coated Flavor & Aroma Barrier In Lamination Lap Sealable **Applications:** Box Overwrap Tobacco Uses: Tobacco Overwrap Flexible Packaging **Processing Method:** 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-30MBT666-OPP-Film.php](http://www.lookpolymers.com/polymer_ExxonMobil-Bicolor-30MBT666-OPP-Film.php)

Physical Properties	Metric	English	Comments
Water Vapor Transmission	1.01 g/m <sup>2</sup> /day	0.0650 g/100 in <sup>2</sup> /day	85% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	4.50 g/m <sup>2</sup> /day	0.290 g/100 in <sup>2</sup> /day	90% RH; ExxonMobil Method
	@Temperature 38.0 °C	@Temperature 100 °F	
Oxygen Transmission Rate	751 cc/m <sup>2</sup> /day	48.4 cc/100 in <sup>2</sup> /day	0% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Thickness	30.5 microns	1.20 mil	ExxonMobil Method
Coating Weight	27.7 g/m <sup>2</sup>	17.3 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	
Coefficient of Friction	0.25	0.25	Both Sides; ExxonMobil Method
	200 g/25 mm	200 g/in	
Seal Strength	@Pressure 0.00345 MPa, Temperature 100 °C	@Pressure 0.500 psi, Temperature 212 °F	LPS, 0.5 sec; ExxonMobil Method
	160 MPa	23200 psi	
			7.9 in/min, 4.9 in Jaw Separation;

Film Tensile Strength at Break, MD Mechanical Properties	Metric	English	ExxonMobil Method Comments
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
	@Temperature 135 °C, Time 432 sec	@Temperature 275 °F, Time 0.120 hour	
Shrinkage, TD	5.5 %	5.5 %	ExxonMobil Method
	@Temperature 135 °C, Time 432 sec	@Temperature 275 °F, Time 0.120 hour	

Optical Properties	Metric	English	Comments
Haze	1.3 %	1.3 %	ExxonMobil Method
Gloss	85 %	85 %	45°; ExxonMobil Method

Descriptive Properties	Value	Comments
Heat Seal Range	90°F	36.3 psi, 0.2 sec
Yield	25000 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