

## ExxonMobil Bicolor™ 19MB440 OPP Film

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

### Material Notes:

**Product Description:** Bicolor is a biaxially oriented transparent polypropylene film designed to be the outside web of a laminate. **Availability:** Africa & Middle East, Asia Pacific, Europe, Latin America, North America and South America **Key Features:** Very good sealability of the untreated surface with a wide range of polyethylene for lap seal applications Excellent jaw release Outstanding optical properties, stable in time **Features:** In Lamination Lap Sealable Lap Sealable to PE **Applications:** Bakery Biscuits/ Cookie/ Crackers Fresh Produce Frozen Food Health and Beauty Care Household and Detergents Ice Cream Pet food **Uses:** Pre-made Bags – Flexible Packaging VFFS Flexible Packaging **Processing Method:** Outer Web Adhesive Lamination, Outer Web Extrusion Lamination, Solvent Flexographic Printing and Solvent Rotogravure Printing **Information provided by ExxonMobil**

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-Bicolor-19MB440-OPP-Film.php](http://www.lookpolymers.com/polymer_ExxonMobil-Bicolor-19MB440-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	
Thickness	19.0 microns	0.750 mil	ExxonMobil Method
Coating Weight	17.0 g/m <sup>2</sup>	10.6 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	45 %	45 %	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Modulus of Elasticity	2.00 GPa	290 ksi	MD; ExxonMobil Method
	4.00 GPa	580 ksi	TD; ExxonMobil Method
Coefficient of Friction	0.40	0.40	Untreated Surface; ExxonMobil Method
Seal Strength	510 g/25 mm	510 g/in	Otto Bruger, 0.2 sec; ExxonMobil Method
	@Pressure 0.276 MPa, Temperature 140 °C	@Pressure 40.0 psi, Temperature 284 °F	
	810 g/25 mm	810 g/in	Otto Bruger, 0.2 sec; ExxonMobil Method
	@Pressure 0.276 MPa, Temperature 140 °C	@Pressure 40.0 psi, Temperature 284 °F	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Break, MD	125 MPa	18100 psi	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Film Tensile Strength at Break, TD	285 MPa	41300 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	4.0 % @Temperature 135 °C, Time 432 sec	4.0 % @Temperature 275 °F, Time 0.120 hour	ExxonMobil Method

Optical Properties	Metric	English	Comments
Haze	2.0 %	2.0 %	ExxonMobil Method
Gloss	85 %	85 %	45°; ExxonMobil Method

Descriptive Properties	Value	Comments
Heat Seal Range	15°C	UT/LLDPE, 36.3 psi (0.25 MPa), 0.2 sec
	25°C	UT/LLDPE, 36.3 psi (0.25 MPa), 0.2 sec
Yield	40600 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