

## ExxonMobil Bicolor™ 29MB080 OPP Film

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

### Material Notes:

**Product Description:** A biaxially oriented polypropylene film metallizable on one side, with a heat sealable surface on the other side.

**Designed to be used after metallization as a single web in HFFS applications or in laminations for other purposes.** Availability: Africa &

**Middle East, Asia Pacific and Europe** Key Features: Good adhesion layer for metallization Excellent processability in metallization Good

**machinability on HFFS machine Very good hot tack One side sealable High yield Brilliant metal appearance after metallization** Features: In

**Lamination Lap Sealable Applications: Industrial Uses: HFFS Flexible Packaging Information provided by ExxonMobil**

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-Bicolor-29MB080-OPP-Film.php](http://www.lookpolymers.com/polymer_ExxonMobil-Bicolor-29MB080-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	
Thickness	27.9 microns	1.10 mil	ExxonMobil Method
Coating Weight	25.9 g/m <sup>2</sup>	16.2 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
	3.60 GPa	522 ksi	TD; ExxonMobil Method
Coefficient of Friction	0.65	0.65	Treated Surface; ExxonMobil Method
	0.65	0.65	Untreated Surface; ExxonMobil Method
Seal Strength	460 g/25 mm @Pressure 0.276 MPa, Temperature 140 °C	460 g/in @Pressure 40.0 psi, Temperature 284 °F	Otto Brugger, 0.2 sec; ExxonMobil Method
Film Tensile Strength at Break, MD	150 MPa	21800 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	6.5 %	6.5 %	ExxonMobil Method
	@Temperature 135 °C, Time 432 sec	@Temperature 275 °F, Time 0.120 hour	
Shrinkage, TD	4.5 %	4.5 %	ExxonMobil Method
	@Temperature 135 °C, Time 432 sec	@Temperature 275 °F, Time 0.120 hour	

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	54°F	36.3 psi, 0.2 sec
Yield	26600 in <sup>2</sup> /lb	

## Contact Songhan Plastic Technology Co.,Ltd.

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