

ExxonMobil Bicolor™ 25MB866 OPP Film

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

Material Notes:

Product Description: A high speed transparent, biaxially oriented polypropylene film, coated one side acrylic, one side PVOH. It provides excellent gas and aroma protection and is designed to be used as the outer web in modified atmosphere applications for dry products. **Availability:** Africa & Middle East, Asia Pacific and Europe **Key Features:** Exceptional gas and aroma barrier Outstanding optical properties Low sealing threshold and broad sealing range on acrylic side ideal support for normal ink system Water-based coatings **Features:** Acrylic Coated Flavor & Aroma Barrier Gas Barrier In Lamination Lap Sealable Oxygen Barrier PVOH Coated **Applications:** Bakery Biscuits/Cookie/Crackers Crisps and Snacks Dairy Products Dry Foods and Beverage Powders Pet Food **Uses:** HFFS Flexible Packaging VFFS Flexible Packaging **Processing Method:** Cold Seal Adhesive, Inner Web Adhesive Lamination, Outer Web Adhesive 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-25MB866-OPP-Film.php

Physical Properties	Metric	English	Comments
Water Vapor Transmission	1.10 g/m ² /day	0.0710 g/100 in ² /day	85% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Oxygen Transmission Rate	4.97 g/m ² /day	0.320 g/100 in ² /day	90% RH; ExxonMobil Method
	@Temperature 38.0 °C	@Temperature 100 °F	
Thickness	2.95 cc/m ² /day	0.190 cc/100 in ² /day	0% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Coating Weight	24.9 microns	0.980 mil	ExxonMobil Method
	22.1 g/m ²	13.8 lb/ream	ExxonMobil Method

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	200 %	200 %	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Film Elongation at Break, TD	65 %	65 %	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Modulus of Elasticity	2.20 GPa	319 ksi	MD; ExxonMobil Method
	3.50 GPa	508 ksi	TD; ExxonMobil Method
Coefficient of Friction	0.25	0.25	Acrylic; ExxonMobil Method
Seal Strength	560 g/25 mm	560 g/in	Otto Bruger, 0.2 sec; ExxonMobil Method
	@Pressure 0.276 MPa, Temperature 130 °C	@Pressure 40.0 psi, Temperature 266 °F	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Break, MD	125 MPa	18500 psi	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Film Tensile Strength at Break, TD	275 MPa	39900 psi	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method

Thermal Properties	Metric	English	Comments
Shrinkage, MD	5.0 % @Temperature 135 °C, Time 432 sec	5.0 % @Temperature 275 °F, Time 0.120 hour	ExxonMobil Method
Shrinkage, TD	5.0 % @Temperature 135 °C, Time 432 sec	5.0 % @Temperature 275 °F, Time 0.120 hour	ExxonMobil Method

Optical Properties	Metric	English	Comments
Haze	1.1 %	1.1 %	ExxonMobil Method
Gloss	90 %	90 %	45°; ExxonMobil Method

Descriptive Properties	Value	Comments
Carbon Dioxide Transmission Rate	5.16 cc/100 in ² / 24 hr	75% RH, ASTM D1434
Heat Seal Range	90°F	Acrylic Surface, 36.3 psi, 0.2 sec
Nitrogen Transmission Rate	0.645 cc/100 in ² / 24 hr	75% RH, ASTM D1434
Yield	31300 in ² /lb	

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