

ExxonMobil Bicolor™ 35MB666 OPP Film

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

Material Notes:

Product Description: A is a biaxially oriented transparent polypropylene film, acrylic coated tow sides. It provides outstanding performance on all packaging machines. **Availability:** Africa & Middle East, Asia Pacific and Europe **Key Features:** Low sealing threshold High seal strength even under low pressure Good aroma barrier Excellent packaging machine performances Outstanding optical properties Ideal support for normal ink systems Water-based coatings **Features:** Acrylic Coated Flavor & Aroma Barrier In Lamination Lap

Sealable Applications: Biscuits/ Cookie/ Crackers Box Overwrap Confectionery, Chocolate Confectionery, Gum Confectionery, Sugar Crisps and Snacks Health and Beauty Care Household and Detergents Pet Food **Uses:** Box Overwrap Flexible Packaging HFFS Flexible Packaging Pre-made – Flexible Packaging VFFS Flexible Packaging **Processing Method:** Cold Seal Adhesive, 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-35MB666-OPP-Film.php

Physical Properties	Metric	English	Comments
Water Vapor Transmission	0.807 g/m ² /day	0.0520 g/100 in ² /day	85% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	4.04 g/m ² /day	0.260 g/100 in ² /day	90% RH; ExxonMobil Method
	@Temperature 38.0 °C	@Temperature 100 °F	
Oxygen Transmission Rate	650 cc/m ² /day	41.9 cc/100 in ² /day	Wet, 75% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	652 cc/m ² /day	42.0 cc/100 in ² /day	0% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Thickness	35.6 microns	1.40 mil	ExxonMobil Method
Coating Weight	31.2 g/m ²	19.5 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	65 %	65 %	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Modulus of Elasticity	2.00 GPa	290 ksi	MD; ExxonMobil Method
	3.50 GPa	508 ksi	TD; ExxonMobil Method
Coefficient of Friction	0.25	0.25	Both Sides; ExxonMobil Method

Mechanical Properties	Metric #5 mm	English	Comments
Seal Strength	@Pressure 0.276 MPa, Temperature 130 °C	@Pressure 40.0 psi, Temperature 266 °F	Otto Brager, 0.2 sec, ExxonMobil Method
Film Tensile Strength at Break, MD	120 MPa	17400 psi	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Film Tensile Strength at Break, TD	245 MPa	35500 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	1.5 %	1.5 %	ExxonMobil Method
Gloss	85 %	85 %	45°; ExxonMobil Method

Descriptive Properties	Value	Comments
Heat Seal Range	90°F	36.3 psi, 0.2 sec
Yield	22100 in ² /lb	

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