

ExxonMobil Bicolor™ 30MB666 OPP Film

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

Material Notes:

Product Description: A biaxially oriented transparent polypropylene film, acrylic coated two sides. It provides outstanding performance on all packaging machines. **Availability:** Africa & Middle East, Asia Pacific and Europe **Key Features:** Low sealing threshold High seal strengths even under low pressure sealing Good aroma barrier Excellent packaging machine performance 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 Bags – 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-30MB666-OPP-Film.php

Physical Properties	Metric	English	Comments
Water Vapor Transmission	1.01 g/m ² /day	0.0650 g/100 in ² /day	85% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	4.50 g/m ² /day	0.290 g/100 in ² /day	90% RH; ExxonMobil Method
	@Temperature 38.0 °C	@Temperature 100 °F	
Oxygen Transmission Rate	745 cc/m ² /day	48.0 cc/100 in ² /day	0% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	751 cc/m ² /day	48.4 cc/100 in ² /day	Wet, 75% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Thickness	30.5 microns	1.20 mil	ExxonMobil Method
Coating Weight	27.4 g/m ²	17.1 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	Both Sides; ExxonMobil Method

Mechanical Properties	Metric 25 mm	English 200 g/m	Comments
Seal Strength	@Pressure 0.00345 MPa, Temperature 100 °C	@Pressure 0.500 psi, Temperature 212 °F	0.5 sec; ExxonMobil Method
Film Tensile Strength at Break, MD	135 MPa	19600 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	1.4 %	1.4 %	ExxonMobil Method
Gloss	85 %	85 %	45°; ExxonMobil Method

Descriptive Properties	Value	Comments
Heat Seal Range	90°F	36.3 psi, 0.2 sec
Yield	25200 in ² /lb	

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