

ExxonMobil Bicolor™ 25MBT666 OPP Film

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

Material Notes:

Product Description: Biaxially oriented polypropylene film, acrylic coated two sides. This film is specifically suitable for unsupported overwrapping offering unique aspect and cost reduction advantage. **Availability:** Africa & Middle East, Asia Pacific and Europe **Key Features:** Low sealing threshold High seal strength even under low pressure sealing Excellent packaging machine performance Outstanding optical properties No seal compatibility between acrylic coating and coex film Water based coatings **Features:** Acrylic Coated Flavor & Aroma Barrier In Lamination Lap Sealable **Applications:** Box Overwrap Tobacco Uses: Tobacco Overwrap Flexible Packaging **Processing Method:** 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-25MBT666-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	
	4.97 g/m ² /day	0.320 g/100 in ² /day	90% RH; ExxonMobil Method
	@Temperature 38.0 °C	@Temperature 100 °F	
Oxygen Transmission Rate	850 cc/m ² /day	54.8 cc/100 in ² /day	Wet, 75% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	854 cc/m ² /day	55.0 cc/100 in ² /day	0% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Thickness	24.9 microns	0.980 mil	ExxonMobil Method
Coating Weight	22.2 g/m ²	13.9 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
	3.80 GPa	551 ksi	TD; ExxonMobil Method
Coefficient of Friction	0.25	0.25	Both Sides; ExxonMobil Method
Seal Strength	200 g/25 mm	200 g/in	LSP, 0.5 sec; ExxonMobil Method
	@Pressure 0.00345 MPa,	@Pressure 0.500 psi,	

Mechanical Properties	Temperature 105 °C Metric	Temperature 221 °F English	Comments
Film Tensile Strength at Break, MD	160 MPa	23200 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	6.0 %	6.0 %	ExxonMobil Method
	@Temperature 135 °C, Time 432 sec	@Temperature 275 °F, Time 0.120 hour	
Shrinkage, TD	5.5 %	5.5 %	ExxonMobil Method
	@Temperature 135 °C, Time 432 sec	@Temperature 275 °F, Time 0.120 hour	

Optical Properties	Metric	English	Comments
Haze	1.3 %	1.3 %	ExxonMobil Method
Gloss	85 %	85 %	45°; ExxonMobil Method

Descriptive Properties	Value	Comments
Heat Seal Range	90°F	36.3 psi, 0.2 sec
Yield	30900 in ² /lb	

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