

ExxonMobil Bicolor™ 20MBT666 OPP Film

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

Material Notes:

Product Description: Bicolor 20MBT666 is a biaxially oriented transparent polypropylene film acrylic coated two sides. This film is specifically suitable for unprinted overwrapping, offering unique aspect and cost reduction advantage. **Availability:** Africa & Middle East, Asia Pacific and Europe **Key Features:** Low sealing threshold High seal strengths 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-20MBT666-OPP-Film.php

Physical Properties	Metric	English	Comments
Water Vapor Transmission	1.40 g/m ² /day	0.0900 g/100 in ² /day	85% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	6.98 g/m ² /day	0.450 g/100 in ² /day	90% RH; ExxonMobil Method
	@Temperature 38.0 °C	@Temperature 100 °F	
Oxygen Transmission Rate	1000 cc/m ² /day	64.5 cc/100 in ² /day	Wet, 75% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	1010 cc/m ² /day	65.0 cc/100 in ² /day	0% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Thickness	20.1 microns	0.790 mil	ExxonMobil Method
Coating Weight	17.9 g/m ²	11.2 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
	3.80 GPa	551 ksi	
Coefficient of Friction	0.25	0.25	Both Sides; ExxonMobil Method
	200 g/25 mm	200 g/in	
			0.5 sec, Untreated Surface;

Seal Strength Mechanical Properties	Metric @Pressure 0.00345 MPa, Temperature 100 °C	English @Pressure 0.500 psi, Temperature 212 °F	ExxonMobil Method 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 % @Temperature 135 °C, Time 432 sec	6.0 % @Temperature 275 °F, Time 0.120 hour	ExxonMobil Method
Shrinkage, TD	5.5 % @Temperature 135 °C, Time 432 sec	5.5 % @Temperature 275 °F, Time 0.120 hour	ExxonMobil Method

Optical Properties	Metric	English	Comments
Haze	1.2 %	1.2 %	ExxonMobil Method
Gloss	85 %	85 %	45°; ExxonMobil Method

Descriptive Properties	Value	Comments
Heat Seal Range	90°F	36.3 psi, 0.2 sec
Yield	38700 in ² /lb	

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