

ExxonMobil Bicolor™ 21MB777 OPP Film

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

Material Notes:

Product Description: Bicolor 21MB777 is a high gas barrier, biaxially oriented transparent PP film coated one side PVdC, one side acrylic. This film provides outstanding performance on all packaging machines and is mainly proposed for use in lamination. Availability: Africa & Middle East, Asia Pacific and Europe

Key Features: Excellent moisture, oxygen and aroma barriers
Excellent seal strength and hot tack
Excellent retention of PVdC seals in humid conditions
Outstanding optical properties
Ideal support for water based ink printing on acrylic side

Water based coatings Features: Acrylic Coated
Flavor & Aroma Barrier
Gas Barrier
Humidity Resistant
In Lamination Lap Sealable
Moisture Barrier
Oxygen Barrier
PVdC Coated

Applications: Bakery Biscuits/Cookie/Crackers Box Overwrap
Confectionery, Chocolate Confectionery, Gum Confectionery, Sugar
Crisps and Snacks
Dairy Products
Dry Foods and Beverage Powders
Health and Beauty Care
Household and Detergents
Ice Cream
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-21MB777-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	20.0 cc/m ² /day	1.29 cc/100 in ² /day	Wet, 75% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	20.2 cc/m ² /day	1.30 cc/100 in ² /day	0% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Thickness	21.1 microns	0.830 mil	ExxonMobil Method
Coating Weight	20.0 g/m ²	12.5 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	60 %	60 %	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Modulus of Elasticity	2.00 GPa	290 ksi	MD; ExxonMobil Method
			TD; ExxonMobil Method

Mechanical Properties	3.80 GPa Metric	551 ksi English	Comments
Coefficient of Friction	0.25	0.25	Acrylic; ExxonMobil Method
	0.35	0.35	PVdC; ExxonMobil Method
Seal Strength	510 g/25 mm @Pressure 0.276 MPa, Temperature 140 °C	510 g/in @Pressure 40.0 psi, Temperature 284 °F	Otto Bruger, 0.2 sec, PVdC; ExxonMobil Method
	560 g/25 mm @Pressure 0.276 MPa, Temperature 140 °C	560 g/in @Pressure 40.0 psi, Temperature 284 °F	Otto Bruger, 0.2 sec, Acrylic; ExxonMobil Method
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	1.6 %	1.6 %	ExxonMobil Method
Gloss	98 %	98 %	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	54°F	36.3 psi, 0.2 sec
	90°F	36.3 psi, 0.2 sec
Nitrogen Transmission Rate	0.645 cc/100 in ² / 24 hr	75% RH, ASTM D1434
Yield	34400 in ² /lb	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China