

ExxonMobil Bicolor™ 20MB400 OPP Film

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

Material Notes:

Product Description: Bicolor 20MB400 is a one side treated, sealable coextruded OPP film. It is designed for use in laminations. **Availability:** Africa & Middle East, Asia Pacific and Europe **Key Features:** Outstanding optical properties Good seal strength Good dimensional stability Good hot slip Good hot tack **Features:** In Lamination Lap Sealable **Applications:** Bakery Biscuits/Cookies/Crackers Confectionery, Chocolate Confectionery, Gum Confectionery, Sugar Crisps and Snacks Fresh Produce Frozen Food Health and Beauty Care Household and Detergents Ice Cream Pet Food **Uses:** HFFS Flexible Packaging Pre-made Bags – Flexible Packaging VFFS Flexible Packaging **Processing Method:** Outer Web Adhesive Lamination, Outer Web Extrusion Lamination, Solvent Flexographic Printing and Solvent Rotogravure Printing **Information provided by ExxonMobil**

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Bicolor-20MB400-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	
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	205 %	205 %	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Film Elongation at Break, TD	55 %	55 %	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	
Coefficient of Friction	0.30	0.30	Untreated Surface; ExxonMobil Method
Seal Strength	300 g/25 mm	300 g/in	EMS, 0.8 sec, Untreated; ExxonMobil Method
	@Pressure 0.138 MPa, Temperature 115 °C	@Pressure 20.0 psi, Temperature 239 °F	
Film Tensile Strength at Break, MD	140 MPa	20300 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

Mechanical Properties	Metric	English	Comments
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	1.8 %	1.8 %	ExxonMobil Method
Gloss	85 %	85 %	45°; ExxonMobil Method

Descriptive Properties	Value	Comments
Heat Seal Range	54°F	36.3 psi, 0.2 sec
Yield	38600 in ² /lb	

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