

ExxonMobil Bicor™ 17MB400 OPP Film

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

Material Notes:

Product Description: Bicor 17MB400 is 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/Cookie/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-Bicor-17MB400-OPP-Film.php

Physical Properties	Metric	English	Comments
Water Vapor Transmission	1.51 g/m ² /day	0.0970 g/100 in ² /day	85% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	7.76 g/m ² /day	0.500 g/100 in ² /day	90% RH; ExxonMobil Method
	@Temperature 38.0 °C	@Temperature 100 °F	
Thickness	17.0 microns	0.670 mil	ExxonMobil Method
Coating Weight	15.2 g/m ²	9.50 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	TD; ExxonMobil Method
Coefficient of Friction	0.30	0.30	Untreated; ExxonMobil Method
Seal Strength	300 g/25 mm	300 g/in	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

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	1.7 %	1.7 %	ExxonMobil Method
Gloss	85 %	85 %	45°; ExxonMobil Method

Descriptive Properties	Value	Comments
Heat Seal Range	54°F	36.3 psi, 0.2 sec
Yield	51500 in ² /lb	

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