

ExxonMobil Bicolor™ 25MB400 OPP Film

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

Material Notes:

Product Description: Heat seal coextruded biaxially oriented polypropylene film that can be used on a wide range of packaging machines.

25MB400 can be either used as mono material or in laminated structures.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 Box Overwrap 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: Inner Web Adhesive Lamination, Outer Web Adhesive Lamination, Outer Web Extrusion 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-25MB400-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	
Thickness	24.9 microns	0.980 mil	ExxonMobil Method
Coating Weight	22.4 g/m ²	14.0 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	Both Sides; ExxonMobil Method
Seal Strength	300 g/25 mm	300 g/in	0.8 sec; ExxonMobil Method
	@Pressure 0.0689 MPa, Temperature 115 °C	@Pressure 10.0 psi, Temperature 239 °F	
	300 g/25 mm	300 g/in	ESM, 0.8 sec, Treated Surface;
	@Pressure 0.0689		

Mechanical Properties	Metric MPa, Temperature 120 °C	English @Pressure 10.0 psi, Temperature 248 °F	ExxonMobil Method Comments
	300 g/25 mm @Pressure 0.0689 MPa, Temperature 115 °C	300 g/in @Pressure 10.0 psi, Temperature 239 °F	ESM, 0.8 sec, Untreated Surface; ExxonMobil Method
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	1.8 %	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	30900 in ² /lb	

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