

ExxonMobil Bicolor™ 70 MB OPP Film

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

Material Notes:

Product Description: Bicolor 70 MB is a biaxially oriented polypropylene film for use in metalized film applications. 70 MB, when metalized, is used in adhesive and extrusion laminations to reverse-printed outer webs. Metalized 70 MB has outstanding moisture and light barrier. The proprietary broad seal range layer offers excellent hot tack, seal integrity, and lap seal range when used with a coextruder outer web.
Availability: North America and South America
Key Features: Low MST, broad seal range, strong seals
High Adhesion of aluminum to film
Resists crazing in extrusion laminations
Applications: Bakery Biscuits/Cookie/Crackers Crisps and Snacks Frozen Food Ice Cream
Uses: HFFS Flexible Packaging Pre-made Bags-Flexible Packaging VFFS Flexible Packaging
Processing Method: Inner Web Adhesive Lamination, Inner Web Extrusion Lamination, Solvent Flexographic Printing, Solvent Rotogravure Printing, Surface Print Unsupported and Water-based Flexographic Printing
 Information provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Bicolor-70-MB-OPP-Film.php

Physical Properties	Metric	English	Comments
Thickness	17.8 microns	0.700 mil	ExxonMobil Method
Coating Weight	15.7 g/m ²	9.80 lb/ream	ExxonMobil Method

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	160 %	160 %	20 in/min, 2.0 in Jaw Separation; ExxonMobil Method
Film Elongation at Break, TD	50 %	50 %	20 in/min, 2.0 in Jaw Separation; ExxonMobil Method
Coefficient of Friction	0.55	0.55	Treated; ExxonMobil Method
	0.70	0.70	Untreated; ExxonMobil Method
Film Tensile Strength at Break, MD	138 MPa	20000 psi	20 in/min, 2.0 in Jaw Separation; ExxonMobil Method
Film Tensile Strength at Break, TD	256 MPa	37100 psi	20 in/min, 2.0 in Jaw Separation; ExxonMobil Method

Thermal Properties	Metric	English	Comments
Shrinkage, MD	3.0 %	3.0 %	ExxonMobil Method
	@Temperature 135 °C	@Temperature 275 °F	
Shrinkage, TD	4.0 %	4.0 %	ExxonMobil Method
	@Temperature 135 °C	@Temperature 275 °F	

Optical Properties	Metric	English	Comments
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Optical Properties	Metric	English	Comments Method
Gloss	86 %	86 %	45°, Untreated Surface; ExxonMobil Method

Descriptive Properties	Value	Comments
Crimp Seal MST	88°C	
Crimp Seal Strength	440 g/in	Untreated/Untreated, 205°F (96°C), 20 psi (0.1 MPa), 0.8 sec
Yield	44000 in ² /lb	

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