

ExxonMobil Bicolor™ 18MB090 OPP Film

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

Material Notes:

Product Description: Biaxially oriented polypropylene film metallizable on one side, with a slip controlled broad seal range surface on the other side. Once metalized, film designed to be used in laminates as the inner web and is suitable for HFFS and VFFS applications.
Availability: Africa & Middle East, Asia Pacific and Europe
Key Features: Excellent adhesion layer for metallization
 Brilliant and homogeneous metal appearance after metallization
 Slip controlled sealing layer
 Excellent processability in metallization
 For high barrier performance packaging
 One side sealable, with broad sealing layer surface
 Very good hot tack
 High yield
Features: In Lamination Lap Sealable
Applications: Industrial
 Information provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Bicolor-18MB090-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	
	7.45 g/m ² /day	0.480 g/100 in ² /day	90% RH; ExxonMobil Method
	@Temperature 38.0 °C	@Temperature 100 °F	
Thickness	18.0 microns	0.710 mil	ExxonMobil Method
Coating Weight	16.2 g/m ²	10.1 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
	3.60 GPa	522 ksi	
Coefficient of Friction	0.40	0.40	Untreated; ExxonMobil Method
Seal Strength	460 g/25 mm	460 g/in	Otto Bruger, 0.2 sec; ExxonMobil Method
	@Pressure 0.276 MPa, Temperature 140 °C	@Pressure 40.0 psi, Temperature 284 °F	
Film Tensile Strength at Break, MD	150 MPa	21800 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	6.5 % @Temperature 135 °C, Time 432 sec	6.5 % @Temperature 275 °F, Time 0.120 hour	ExxonMobil Method
Shrinkage, TD	4.5 % @Temperature 135 °C, Time 432 sec	4.5 % @Temperature 275 °F, Time 0.120 hour	ExxonMobil Method

Optical Properties	Metric	English	Comments
Haze	1.6 %	1.6 %	ExxonMobil Method
Gloss	85 %	85 %	45°; ExxonMobil Method

Descriptive Properties	Value	Comments
Heat Seal Range	72°F	36.3 psi, 0.2 sec
Yield	43000 in ² /lb	

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