

ExxonMobil Bicolor™ 21MBT621 OPP Film

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

Material Notes:

Product Description: Biaxially oriented transparent polypropylene film with heat sealable coating applied to both side. The static resistant feature of this film prevents the attraction of dust, and contributes to excellent machine performance even on critical packaging machines. The acrylic coating is water based and provides a wide heat sealing range on packaging equipmentAvailability: Africa & Middle East, Asia Pacific and EuropeKey Features:Low Sealing ThresholdEfficient Sealability under Low PressureOptimum and Stable Coefficient of FrictionExcellent Performance on Overwrap Packaging MachinesOutstanding Optical PropertiesGood Aroma BarrierIdeal Support for Normal Ink SystemsWater Based CoatingFeatures:Acrylic CoatedFlavor & Aroma BarrierApplications:Box OverwrapConfectionery, Chocolate Confectionery, Gum Confectionery, Sugar Uses: Box Overwrap Flexible Packaging Processing Method: Inner Web Adhesive Lamination, Outer Web Adhesive Lamination, Solvent Flexographic Printing, Solvent Rotogravure Printing and Surface Print

UnsupportedInformation provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Bicolor-21MBT621-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	21.1 microns	0.830 mil	ExxonMobil Method
Coating Weight	18.7 g/m ²	11.7 lb/ream	ExxonMobil Method

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	140 %	140 %	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Film Elongation at Break, TD	50 %	50 %	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Modulus of Elasticity	2.20 GPa	319 ksi	MD; ExxonMobil Method
	4.00 GPa	580 ksi	TD; ExxonMobil Method
Coefficient of Friction	0.25	0.25	Both Sides; ExxonMobil Method
Seal Strength	200 g/25 mm	200 g/in	LPS, 0.5 sec, Both Sides; ExxonMobil Method
	@Pressure 0.00345 MPa, Temperature 100 °C	@Pressure 0.500 psi, Temperature 212 °F	
Film Tensile Strength at Break, MD	130 MPa	18900 psi	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Break, TD	258 MPa	36300 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	3.0 % @Temperature 135 °C, Time 432 sec	3.0 % @Temperature 275 °F, Time 0.120 hour	ExxonMobil Method

Optical Properties	Metric	English	Comments
Haze	1.0 %	1.0 %	ExxonMobil Method
Gloss	85 %	85 %	45°; ExxonMobil Method

Descriptive Properties	Value	Comments
Heat Seal Range	72°F	36.3 psi, 0.2 sec
Yield	6800 in ² /lb	

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