ExxonMobil Bicor™ 21MB866 OPP Film

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

Material Notes:

Product Description: Bicor 21MB866 is a high gas barrier, transparent biaxially oriented polypropylene film coated on side acrylic, one side PVOH. It provides excellent gas and aroma protection and is designed to be used as the outer web in modified atmosphere applications for dry products.Availability: Africa & Middle East, Asia Pacific and EuropeKey Features:Excellent moisture, oxygen and aroma barriersExceptional gas and aroma barrierOutstanding optical propertiesLow sealing threshold and broad sealing range on acrylic sideIdeal support for normal ink systemsWater based coatingsFeatures:Acrylic CoatedFlavor & Aroma BarrierGas BarrierIn Lamination Lap SealableOxygen BarrierPVOH Coated Applications:BakeryBiscuits/Cookie/Crackers Crisps and SnacksDairy ProductsDry Foods and Beverage Powders Pet Food Uses: HFFS Flexible Packaging VFFS Flexible Packaging Processing Method: Cold Seal Adhesive, Inner Web Adhesive Lamination, Outer Web Adhesive Lamination, Solvent Flexographic Printing and Solvent Rotogravure PrintingInformation provided by ExxonMobil

Order this product through the following link:
http://www.lookpolymers.com/polymer_ExxonMobil-Bicor-21MB866-OPP-Film.php

Physical Properties	Metric	English	Comments
Water Vapor Transmission	4.04 g/m²/day @Temperature 38.0 °C	0.260 g/100 in²/day @Temperature 100 °F	90% RH; ExxonMobil Method
Oxygen Transmission Rate	0.698 cc/m²/day @Temperature 23.0 °C	0.0450 cc/100 in²/day @Temperature 73.4 °F	0% RH; ExxonMobil Method
Thickness	21.1 microns	0.830 mil	ExxonMobil Method
Coating Weight	18.4 g/m²	11.5 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
Coefficient of Friction	0.25	0.25	Acrylic; ExxonMobil Method
Seal Strength	510 g/25 mm @Pressure 0.276 MPa, Temperature 130 °C	510 g/in @Pressure 40.0 psi, Temperature 266 °F	Otto Bruger, 0.2 sec; ExxonMobl Method
Film Tensile Strength at Break, MD	130 MPa	18900 psi	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Film Tensile Strength at Break, TD	250 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	0.90 %	0.90 %	ExxonMobil Method
Gloss	90 %	90 %	45°; ExxonMobil Method

Descriptive Properties	Value	Comments
Heat Seal Range	72°F	36.3 psi, 0.2 sec
Yield	37600 in^2/lb	

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