ExxonMobil Bicor™ 42MB777 OPP Film

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

Material Notes:

Product Description: A high gas barrier, biaxially oriented transparent PP film, coated one side PVdC, one side acrylic, This film provides outstanding performance on all packaging machines.Availability: Africa & Middle East, Asia Pacific and EuropeKey Features:Excellent moisture, oxygen and aroma barriersExcellent seal strength and hot tackExcellent retention of PVdC seals in humid conditions Outstanding optical propertiesIdeal support for water based ink prinking on acrylic sideWater based coatingsFeatures:Acrylic CoatedFlavor & Aroma BarrierGas BarrierHumidity ResistantIn Lamination Lap SealableMoisture BarrierOxygen BarrierPVdC CoatedApplications:BakeryBiscuits/Cookie/CrackersBox Overwrap Confectionery, Chocolate Confectionery, Gum Confectionery, SugarCrisps and SnacksDairy ProductsDry Foods and Beverage PowdersHealth and Beauty CareHousehold and Detergents Ice CreamPet Food Uses: Box Overwrap Flexible PackagingHFFS Flexible PackagingPre-made Bags – Flexible PackagingVFFS Flexible Packaging Processing Method: Cold Seal Adhesive, 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-Bicor-42MB777-OPP-Film.php

Physical Properties	Metric	English	Comments
Water Vapor Transmission	0.497 g/m²/day @Temperature 23.0 °C	0.0320 g/100 in²/day @Temperature 73.4 °F	85% RH; ExxonMobil Method
	2.95 g/m²/day @Temperature 38.0 °C	0.190 g/100 in²/day @Temperature 100 °F	90% RH; ExxonMobil Method
Oxygen Transmission Rate	20.0 cc/m²/day @Temperature 23.0 °C	1.29 cc/100 in²/day @Temperature 73.4 °F	Wet, 75% RH; ExxonMobil Method
	20.2 cc/m²/day @Temperature 23.0 °C	1.30 cc/100 in²/day @Temperature 73.4 °F	0% RH; ExxonMobil Method
Thickness	43.2 microns	1.70 mil	ExxonMobil Method
Coating Weight	38.9 g/m²	24.3 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	65 %	65 %	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	TD; ExxonMobil Method

Mechanical Properties	Metric	English	Comments
Coefficient of Friction	0.25	0.25	Acrylic; ExxonMobil Method
	0.35	0.35	PVdC; ExxonMobil Method
Seal Strength	460 g/25 mm @Pressure 0.276 MPa, Temperature 140 °C	460 g/in @Pressure 40.0 psi, Temperature 284 °F	PVdC, 0.2 sec; ExxonMobil Method
	610 g/25 mm @Pressure 0.276 MPa, Temperature 130 °C	610 g/in @Pressure 40.0 psi, Temperature 266 °F	Acrylic, 0.2 sec; ExxonMobil Method
Film Tensile Strength at Break, MD	120 MPa	17400 psi	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Film Tensile Strength at Break, TD	245 MPa	35500 psi	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method

Thermal Properties	Metric	English	Comments
Shrinkage, MD	4.0 % @Temperature 135 °C, Time 432 sec	4.0 % @Temperature 275 °F, Time 0.120 hour	ExxonMobil Method
Shrinkage, TD	2.0 % @Temperature 135 °C, Time 432 sec	2.0 % @Temperature 275 °F, Time 0.120 hour	ExxonMobil Method

Optical Properties	Metric	English	Comments
Haze	1.8 %	1.8 %	ExxonMobil Method
Gloss	98 %	98 %	45°; ExxonMobil Method

Descriptive Properties	Value	Comments
Carbon Dioxide Transmission Rate	5.16 cc/100 in^2/ 24 hr	75% RH, ASTM D1434
Heat Seal Range	54°F	PVdC, 36.3 psi, 0.2 sec
	90°F	Acrylic, 36.3 psi, 0.2 sec
Nitrogen Transmission Rate	0.645 cc/100 in^2/ 24 hr	75% RH, ASTM D1434
Yield	17800 in^2/lb	

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