ExxonMobil Bicor™ 30MB668 OPP Film

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

Material Notes:

Product Description: A high speed transparent, biaxially oriented polypropylene film, coated one side very low temperature seal (VLTS) coating. VLTS coating provides excellent performances on high speed HFFS machines. Acrylic coating provides aroma barrier and excellent support for printing.Availability: Africa & Middle East, Asia Pacific and EuropeKey Features:Exceptional wide sealing range with a low minimum seal temperature (MST)Excellent seal strength and hot-tackRobust performance on horizontal flowpack machinesExcellent humidity seal retention on VLTS sideGood aroma barrierOutstanding optical propertiesIdeal support for normal ink systemsWater-based coatingsFeatures:Acrylic CoatedFlavor & Aroma BarrierHumidity ResistantVery Broad Seal RangeVLTS CoatedApplications:BakeryBiscuits/Cookie/Crackers Confectionery, Chocolate Confectionery, Gum Confectionery, SugarFrozen FoodHealth and Beauty CareHousehold and DetergentsIce Cream Uses: HFFS Flexible PackagingProcessing Method: Inner 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-30MB668-OPP-Film.php

Physical Properties	Metric	English	Comments
Water Vapor Transmission	1.01 g/m²/day @Temperature 23.0 °C	0.0650 g/100 in²/day @Temperature 73.4 °F	85% RH; ExxonMobil Method
	4.50 g/m²/day @Temperature 38.0 °C	0.290 g/100 in²/day @Temperature 100 °F	90% RH; ExxonMobil Method
Oxygen Transmission Rate	745 cc/m²/day @Temperature 23.0 °C	48.0 cc/100 in²/day @Temperature 73.4 °F	0% RH; ExxonMobil Method
	751 cc/m²/day @Temperature 23.0 °C	48.4 cc/100 in²/day @Temperature 73.4 °F	Wet, 75% RH; ExxonMobil Method
Thickness	30.5 microns	1.20 mil	ExxonMobil Method
Coating Weight	27.7 g/m²	17.3 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	60 %	60 %	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Modulus of Elasticity	2.00 GPa	290 ksi	MD; ExxonMobil Method
	3.80 GPa	551 ksi	TD; ExxonMobil Method

Mechanical Properties	Metric	English	Comments
Coefficient of Friction	0.25	0.25	Acrylic; ExxonMobil Method
	0.40	0.40	VLTS; ExxonMobil Method
Seal Strength	410 g/25 mm @Pressure 0.138 MPa, Temperature 80.0 °C	410 g/in @Pressure 20.0 psi, Temperature 176 °F	LTS, 0.2 sec; ExxonMobil Method
Film Tensile Strength at Break, MD	160 MPa	23200 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	6.0 % @Temperature 135 °C, Time 432 sec	6.0 % @Temperature 275 °F, Time 0.120 hour	ExxonMobil Method
Shrinkage, TD	5.5 % @Temperature 135 °C, Time 432 sec	5.5 % @Temperature 275 °F, Time 0.120 hour	ExxonMobil Method

Optical Properties	Metric	English	Comments
Haze	1.2 %	1.2 %	ExxonMobil Method
Gloss	87 %	87 %	45°; ExxonMobil Method

Descriptive Properties	Value	Comments
Heat Seal Range	126°F	36.3 psi, 0.2 sec
Yield	25000 in^2/lb	

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