

ExxonMobil Oppalyte™ 52MH648 OPP Film

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

Material Notes:

Product Description: A high speed super white opaque, modified higher density, biaxially oriented polypropylene film, coated one side acrylic, one side very low temperature seal (VLTS) coating. VLTS coating provides excellent performance on high speed HFFS machines. Acrylic provides the aroma barrier and an excellent support for printing. Availability: Africa & Middle East, Asia Pacific and Europe

Key Features: Exceptional wide sealing range with a low minimum sealing temperature (MST) Excellent seal strength and hot-tack Robust performance on horizontal flowpack machines Excellent humidity seal retention on VLTS side Good aroma barrier Excellent stiffness Outstanding opacity, white background and reduced show-through Ideal support for normal ink systems Water based coatings

Features: Acrylic Coating Flavor & Aroma Barrier Humidity Resistant Light Barrier Very Broad Seal Range VLTS Coated

Applications: Bakery Biscuits/Cookie/Crackers Confectionery, Chocolate Confectionery, Gum Confectionery, Sugar Crisps and Snacks Dry Foods and Beverage Powders Health and Beauty Care Household and Detergents Ice Cream Pet Food Uses: HFFS Flexible Packaging Processing Method: Solvent Flexographic Printing, Solvent Rotogravure Printing and Surface Print

Information provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Oppalyte-52MH648-OPP-Film.php

Physical Properties	Metric	English	Comments
Water Vapor Transmission	0.497 g/m ² /day	0.0320 g/100 in ² /day	85% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	2.95 g/m ² /day	0.190 g/100 in ² /day	90% RH; ExxonMobil Method
	@Temperature 38.0 °C	@Temperature 100 °F	
Oxygen Transmission Rate	650 cc/m ² /day	41.9 cc/100 in ² /day	Wet, 75% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	652 cc/m ² /day	42.0 cc/100 in ² /day	0% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Thickness	50.8 microns	2.00 mil	ExxonMobil Method
Coating Weight	37.8 g/m ²	23.6 lb/ream	ExxonMobil Method

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	170 %	170 %	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Film Elongation at Break, TD	55 %	55 %	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Modulus of Elasticity	1.70 GPa	247 ksi	MD; ExxonMobil Method
			TD; ExxonMobil Method

Mechanical Properties	2.80 GPa Metric	406 ksi English	Comments
Coefficient of Friction	0.25	0.25	Acrylic; ExxonMobil Method
	0.45	0.45	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	0.8 sec; ExxonMobil Method
Film Tensile Strength at Break, MD	105 MPa	15200 psi	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Film Tensile Strength at Break, TD	185 MPa	26800 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
Gloss	70 %	70 %	45°; ExxonMobil Method
Transmission, Visible	22 %	22 %	ExxonMobil Method

Descriptive Properties	Value	Comments
Heat Seal Range	108°F	36.3 psi, 0.2 sec
Whiteness Index	90	
Yield	18300 in ² /lb	

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