

ExxonMobil Oppalyte™ 45MW647 OPP Film

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

Material Notes:

Product Description: A super white opaque biaxially oriented polypropylene film acrylic coated two sides. Acrylic provides excellent aroma barrier and excellent support for printing. The film provides outstanding performance on all types of packaging machines. **Availability:** Africa & Middle East, Asia Pacific and Europe. **Key Features:** Excellent aroma barrier, Outstanding opacity, white background and reduced show-through, Broad sealing range on both sides, Low sealing threshold on both sides, High yield, Good stiffness, Solvent-free coatings, Ideal support for water based ink printing, Printable both sides. **Features:** Acrylic Coated, Flavor & Aroma Barrier, Light Barrier. **Applications:** Bakery Biscuits/Cookie/Crackers Box Overwrap, Confectionery, Chocolate Confectionery, Gum Confectionery, Sugar Crisps and Snacks, Dry Foods and Beverage Powders, Health and Beauty Care, Household and Detergents, Pet food. **Uses:** Box Overwrap, Flexible Packaging, HFFS Flexible Packaging, Pre-made Bags – Flexible Packaging, VFSS Flexible Packaging. **Processing Method:** Cold Seal Adhesive, Inner Web Adhesive Lamination, Solvent Flexographic Printing, Solvent Rotogravure Printing, Surface Print, Unsupported and Water-based Flexographic Printing. Information provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Oppalyte-45MW647-OPP-Film.php

Physical Properties	Metric	English	Comments
Water Vapor Transmission	0.404 g/m ² /day	0.0260 g/100 in ² /day	90% RH; ExxonMobil Method
	@Temperature 38.0 °C	@Temperature 100 °F	
	0.807 g/m ² /day	0.0520 g/100 in ² /day	85% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Oxygen Transmission Rate	698 cc/m ² /day	45.0 cc/100 in ² /day	0% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	702 cc/m ² /day	45.2 cc/100 in ² /day	Wet, 75% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Thickness	45.7 microns	1.80 mil	ExxonMobil Method
Coating Weight	28.2 g/m ²	17.6 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	1.30 GPa	189 ksi	MD; ExxonMobil Method
	2.10 GPa	305 ksi	TD; ExxonMobil Method

Coefficient of Friction Mechanical Properties	0.25 Metric	0.25 English	Both Sides: ExxonMobil Method Comments
Seal Strength	510 g/25 mm @Pressure 0.276 MPa, Temperature 130 °C	510 g/in @Pressure 40.0 psi, Temperature 266 °F	Otto Brugger, 0.5 sec; ExxonMobil Method
Film Tensile Strength at Break, MD	100 MPa	14500 psi	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Film Tensile Strength at Break, TD	155 MPa	22500 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	6.0 % @Temperature 135 °C, Time 432 sec	6.0 % @Temperature 275 °F, Time 0.120 hour	ExxonMobil Method

Optical Properties	Metric	English	Comments
Gloss	75 %	75 %	45°; ExxonMobil Method
Transmission, Visible	17 %	17 %	ExxonMobil Method

Descriptive Properties	Value	Comments
Heat Seal Range	90°F	36.3 psi, 0.2 sec
Whiteness Index	84	
Yield	24500 in ² /lb	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China