

ExxonMobil Oppalyte™ 40MW647 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. Provides outstanding performance on all types of packaging machines. **Availability:** Africa & Middle East, Asia Pacific and Europe **Key Features:** Outstanding opacity, white background and reduced show-through **Broad sealing range on both sides** **Low sealing threshold on both sides** **Good aroma and moisture barriers** **Excellent light barrier** **High yield** **Good stiffness** **Solvent-free coatings** **Ideal support for water based ink printing** **Excellent hot tack** **Printable both sides** **Features:** Acrylic Coated **Flavor & Aroma Barrier** **In Lamination Lap Sealable** **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** **Uses:** **Box Overwrap** **Flexible Packaging** **HFFS Flexible Packaging** **Pre-made Bags – Flexible Packaging** **VFFS Flexible Packaging** **Processing Method:** **Cold Seal Adhesive, Inner Web Adhesive Lamination, Outer Web Adhesive Lamination, Solvent Flexographic Printing, Solvent Rotogravure Printing and Surface Print** **Unsupported** **Information provided by ExxonMobil**

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Oppalyte-40MW647-OPP-Film.php

Physical Properties	Metric	English	Comments
Water Vapor Transmission	1.10 g/m ² /day	0.0710 g/100 in ² /day	85% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	5.28 g/m ² /day	0.340 g/100 in ² /day	90% RH; ExxonMobil Method
	@Temperature 38.0 °C	@Temperature 100 °F	
Oxygen Transmission Rate	801 cc/m ² /day	51.6 cc/100 in ² /day	Wet, 75% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	807 cc/m ² /day	52.0 cc/100 in ² /day	0% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Thickness	40.6 microns	1.60 mil	ExxonMobil Method
Coating Weight	25.1 g/m ²	15.7 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	460 g/25 mm @Pressure 0.276 MPa, Temperature 130 °C	460 g/in @Pressure 40.0 psi, Temperature 266 °F	Otto Brugger, 0.2 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	5.0 % @Temperature 135 °C, Time 432 sec	5.0 % @Temperature 275 °F, Time 0.120 hour	ExxonMobil Method
Shrinkage, TD	4.0 % @Temperature 135 °C, Time 432 sec	4.0 % @Temperature 275 °F, Time 0.120 hour	ExxonMobil Method

Optical Properties	Metric	English	Comments
Gloss	75 %	75 %	45°; ExxonMobil Method
Transmission, Visible	22 %	22 %	ExxonMobil Method

Descriptive Properties	Value	Comments
Heat Seal Range	90°F	36.3 psi, 0.2 sec
Whiteness Index	82	
Yield	27400 in ² /lb	

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