

ExxonMobil Oppalyte™ 38MW247 OPP Film

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

Material Notes:

Product Description: A super white opaque biaxially oriented polypropylene film. It is designed for use in cold seal applications where superior optics and graphics are desired. **Availability:** Africa & Middle East, Asia Pacific and Europe **Key Features:** Outstanding opacity and bright white background Extra high yield Reduced show-through High gloss Exceptional printability and receptivity to coatings Excellent support for cold seal and high seal strength **Features:** Light Barrier **Applications:** Bakery Biscuits/Cookie/Crackers Confectionery, Chocolate Confectionery, Gum Confectionery, Sugar Crisps and Snacks Dry Foods and Beverage Powders Frozen Food Household and Detergents Ice Cream Uses: HFFS Flexible Packaging **Processing Method:** Cold Seal Adhesive, Inner Web Adhesive Lamination, Inner Web Extrusion 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-38MW247-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	
Thickness	38.1 microns	1.50 mil	ExxonMobil Method
Coating Weight	23.2 g/m ²	14.5 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	0.60	0.60	Untreated Surface; 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
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Thermal Properties	Metric	English	Comments
Shrinkage, MD	@Temperature 135 °C, Time 432 sec	@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	18 %	18 %	ExxonMobil Method

Descriptive Properties	Value	Comments
Whiteness Index	90	
Yield	29800 in ² /lb	

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