

## ExxonMobil Oppalyte™ 30MW648 OPP Film

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

### Material Notes:

**Product Description:** A high speed super white opaque, biaxially oriented polypropylene film coated one side acrylic, one side very low temperature seal (VTLS) coating. VLTS coating provides an excellent performance on high speed HFFS machines. Acrylic provides a good aroma barrier and an excellent surface for printability. **Availability:** Africa & Middle East, Asia Pacific and Europe **Key Features:** Exceptional wide sealing range with a low minimum seal temperature (MST) Excellent seal strength and hot-tack Robust performance on horizontal flow pack machines Excellent humidity seal retention on VLTS side Good aroma barrier Outstanding opacity, white background and reduced show through High yield Ideal support for normal ink systems Water-based coatings **Features:** Acrylic Coated 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 Fresh Produce Frozen Food Health and Beauty Care Household Detergents Ice Cream Pet Food **Uses:** HFFS Flexible Packaging **Processing Method:** Inner Web Adhesive Lamination, Solvent Flexographic Printing and Surface Print **Unsupported Information provided by ExxonMobil**

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-Oppalyte-30MW648-OPP-Film.php](http://www.lookpolymers.com/polymer_ExxonMobil-Oppalyte-30MW648-OPP-Film.php)

Physical Properties	Metric	English	Comments
Water Vapor Transmission	1.40 g/m <sup>2</sup> /day	0.0900 g/100 in <sup>2</sup> /day	85% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	6.98 g/m <sup>2</sup> /day	0.450 g/100 in <sup>2</sup> /day	90% RH; ExxonMobil Method
	@Temperature 38.0 °C	@Temperature 100 °F	
Oxygen Transmission Rate	1000 cc/m <sup>2</sup> /day	64.5 cc/100 in <sup>2</sup> /day	Wet, 75% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	1010 cc/m <sup>2</sup> /day	65.0 cc/100 in <sup>2</sup> /day	0% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Thickness	30.5 microns	1.20 mil	ExxonMobil Method
Coating Weight	19.0 g/m <sup>2</sup>	11.9 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	Acrylic; ExxonMobil Method Comments
	0.50	0.50	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, 0.8 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	26 %	26 %	ExxonMobil Method

Descriptive Properties	Value	Comments
Heat Seal Range	126°F	VLTS, 36.3 psi, 0.2 sec
Whiteness Index	78	
Yield	36500 in <sup>2</sup> /lb	

## Contact Songhan Plastic Technology Co.,Ltd.

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