

## ExxonMobil Oppalyte™ 35MD447 OPP Film

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

### Material Notes:

**Product Description:** A coextruded super white opaque, modified high density, biaxially oriented polypropylene film, heat sealable on both sides. This opaque and extremely stiff film is ideal for use on VFFS and HFFS machines. **Availability:** Africa & Middle East, Asia Pacific and Europe **Key Features:** Exceptional stiffness and flex resistance Good seal strength Excellent dimensional stability Good hot slip Good hot tack **Features:** 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 Fresh Produced Frozen Food Health and Beauty Care Household and Detergents Ice Cream **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, 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-35MD447-OPP-Film.php](http://www.lookpolymers.com/polymer_ExxonMobil-Oppalyte-35MD447-OPP-Film.php)

Physical Properties	Metric	English	Comments
Water Vapor Transmission	1.01 g/m <sup>2</sup> /day	0.0650 g/100 in <sup>2</sup> /day	85% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	4.50 g/m <sup>2</sup> /day	0.290 g/100 in <sup>2</sup> /day	90% RH; ExxonMobil Method
	@Temperature 38.0 °C	@Temperature 100 °F	
Thickness	35.6 microns	1.40 mil	ExxonMobil Method
Coating Weight	27.4 g/m <sup>2</sup>	17.1 lb/ream	ExxonMobil Method

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	160 %	160 %	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Film Elongation at Break, TD	65 %	65 %	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Modulus of Elasticity	1.70 GPa	247 ksi	MD; ExxonMobil Method
	3.20 GPa	464 ksi	TD; ExxonMobil Method
Coefficient of Friction	0.25	0.25	Untreated Surface; ExxonMobil Method
	0.30	0.30	Treated Surface; ExxonMobil Method
Seal Strength	410 g/25 mm	410 g/in	Otto Brugger, 0.2 sec; ExxonMobil Method
	@Pressure 0.276 MPa, Temperature 140 °C	@Pressure 40.0 psi, Temperature 284 °F	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Break, MD	200 MPa	29000 psi	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method

Thermal Properties	Metric	English	Comments
Shrinkage, MD	3.0 % @Temperature 135 °C, Time 432 sec	3.0 % @Temperature 275 °F, Time 0.120 hour	ExxonMobil Method
Shrinkage, TD	3.0 % @Temperature 135 °C, Time 432 sec	3.0 % @Temperature 275 °F, Time 0.120 hour	ExxonMobil Method

Optical Properties	Metric	English	Comments
Gloss	55 %	55 %	45°; ExxonMobil Method
Transmission, Visible	29 %	29 %	ExxonMobil Method

Descriptive Properties	Value	Comments
Heat Seal Range	45°F	Untreated/Treated, 36.3 psi, 0.2 sec
	54°F	Untreated/Untreated, 36.3 psi, 0.2 sec
Whiteness Index	90	
Yield	25200 in <sup>2</sup> /lb	

## Contact Songhan Plastic Technology Co.,Ltd.

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