

## ExxonMobil Oppalyte™ 30MD447 OPP Film

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

### Material Notes:

**Product Description:** A coextruded super white opaque, modified higher 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 and is also very well suited for overwrapping applications.  
**Availability:** Africa & Middle East, Asia Pacific and Europe  
**Key Features:** Excellent 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 Fresh Produce Frozen Food Health and Beauty Care Household Detergents Ice Cream Pet Food  
**Uses:** Box Overwrap Flexible Packaging HFFS Flexible Packaging Pouches-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 and Surface Print  
 Unsupported Information provided by ExxonMobil

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-Oppalyte-30MD447-OPP-Film.php](http://www.lookpolymers.com/polymer_ExxonMobil-Oppalyte-30MD447-OPP-Film.php)

Physical Properties	Metric	English	Comments
Water Vapor Transmission	1.10 g/m <sup>2</sup> /day	0.0710 g/100 in <sup>2</sup> /day	85% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	4.97 g/m <sup>2</sup> /day	0.320 g/100 in <sup>2</sup> /day	90% RH; ExxonMobil Method
	@Temperature 38.0 °C	@Temperature 100 °F	
Thickness	30.5 microns	1.20 mil	ExxonMobil Method
Coating Weight	23.5 g/m <sup>2</sup>	14.7 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 @Pressure 0.276 MPa, Temperature 140 °C	410 g/in @Pressure 40.0 psi, Temperature 284 °F	Otto Brugger, 0.2 sec; ExxonMobil Method

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	33 %	33 %	ExxonMobil Method

Descriptive Properties	Value	Comments
Heat Seal Range	45°F	Untreated, 36.3 psi, 0.2 sec
	72°F	Treated, 36.3 psi, 0.2 sec
Whiteness Index	90	
Yield	29200 in <sup>2</sup> /lb	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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