

## ExxonMobil Metallyte™ 18MM483 OPP Film

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

### Material Notes:

**Product Description:** A biaxially oriented polypropylene film, metalized on one side with a broad seal range surface on the other side. This film is designed for high barrier performance packaging applications. Designed to be used in single web on HFFS or laminated to other substrates on all types of packaging machines. **Availability:** Africa & Middle East, Asia Pacific and Europe **Key Features:** Excellent adhesion of aluminum to film Excellent oxygen barrier Excellent moisture barrier Excellent light barrier Very good hot tack Very broad seal range High yield Brilliant metal appearance **Features:** Flavor & Aroma Barrier Gas Barrier In Lamination Lap Sealable Light Barrier Moisture Barrier Oxygen Barrier **Applications:** Biscuits/Cookie/Crackers Confectionery, Chocolate Confectionery, Gum Confectionery, Sugar Crisps and Snacks Dry Foods and Beverage Powders Frozen Food Pet Food **Uses:** HFFS Flexible Packaging Pre-made Bags – Flexible Packaging VFFS Flexible Packaging **Processing Method:** Cold Seal Adhesive, 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-Metallyte-18MM483-OPP-Film.php](http://www.lookpolymers.com/polymer_ExxonMobil-Metallyte-18MM483-OPP-Film.php)

Physical Properties	Metric	English	Comments
Water Vapor Transmission	0.101 g/m <sup>2</sup> /day	0.00650 g/100 in <sup>2</sup> /day	85% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	0.101 g/m <sup>2</sup> /day	0.00650 g/100 in <sup>2</sup> /day	
Oxygen Transmission Rate	@Temperature 25.0 °C	@Temperature 77.0 °F	75% RH; ExxonMobil Method
	0.202 g/m <sup>2</sup> /day	0.0130 g/100 in <sup>2</sup> /day	90% RH; ExxonMobil Method
	@Temperature 38.0 °C	@Temperature 100 °F	
26.1 cc/m <sup>2</sup> /day	1.68 cc/100 in <sup>2</sup> /day		
Oxygen Transmission Rate	@Temperature 23.0 °C	@Temperature 73.4 °F	Wet, 75% RH; ExxonMobil Method
	26.4 cc/m <sup>2</sup> /day	1.70 cc/100 in <sup>2</sup> /day	0% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Thickness	18.0 microns	0.710 mil	
Coating Weight	16.2 g/m <sup>2</sup>	10.1 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	55 %	55 %	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Modulus of Elasticity	2.00 GPa	290 ksi	MD; ExxonMobil Method

Mechanical Properties	3.70 GPa Metric	537 ksi English	TD: ExxonMobil Method Comments
Seal Strength	460 g/25 mm @Pressure 0.276 MPa, Temperature 140 °C	460 g/in @Pressure 40.0 psi, Temperature 284 °F	Otto Brugger, 0.2 sec; ExxonMobil Method
Film Tensile Strength at Break, MD	140 MPa	20300 psi	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Film Tensile Strength at Break, TD	260 MPa	37700 psi	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method

Thermal Properties	Metric	English	Comments
Shrinkage, MD	4.0 % @Temperature 135 °C, Time 432 sec	4.0 % @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
Optical Density	2.5	2.5	ExxonMobil Method

Descriptive Properties	Value	Comments
Heat Seal Range	99°F	36.3 psi, 0.2 sec
Yield	43000 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