

## ExxonMobil Metallyte™ 18MM348 OPP Film

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

### Material Notes:

**Product Description:** An enhanced barrier metalized film with a very broad seal range designed to be used in laminate with OPP or Polyester for HFFS applications. The design of this film allows excellent performance on HFFS machines, especially when laminated with PET. Due to this consistent slip properties, it can be also used in most VFFS applications. In addition to this, the improved barrier properties make it an excellent choice for sensitive product packaging, combining great product protection and yield advantage. Availability: Africa & Middle East, Asia Pacific and Europe

**Key Features:** Broad sealing range on the inside film  
Good hot tack and very good seal integrity  
Very good moisture and light barrier  
Good oxygen barrier  
Excellent adhesion of aluminum to film  
Easy to convert  
Outstanding metal appearance

**Features:** Flavor & Aroma Barrier  
Gas Barrier  
In Lamination Lap Sealable  
Light Barrier  
Moisture Barrier  
Oxygen Barrier

**Applications:** Bakery Biscuits/Cookie/Crackers Confectionery, Chocolate Confectionery, Gum Confectionery, Sugar Crisps and Snacks  
Frozen Food  
Household and Detergents  
Ice Cream  
Pet Food

**Uses:** HFFS Flexible Packaging Pre-made Bags – Flexible Packaging

**Processing Method:** Cold Seal Adhesive, Inner 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-Metallyte-18MM348-OPP-Film.php](http://www.lookpolymers.com/polymer_ExxonMobil-Metallyte-18MM348-OPP-Film.php)

Physical Properties	Metric	English	Comments
Water Vapor Transmission	0.497 g/m <sup>2</sup> /day	0.0320 g/100 in <sup>2</sup> /day	90% RH; ExxonMobil Method
	@Temperature 38.0 °C	@Temperature 100 °F	
Oxygen Transmission Rate	49.7 cc/m <sup>2</sup> /day	3.20 cc/100 in <sup>2</sup> /day	0% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Thickness	50.1 cc/m <sup>2</sup> /day	3.23 cc/100 in <sup>2</sup> /day	Wet, 75% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Coating Weight	18.0 microns	0.710 mil	ExxonMobil Method
	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
	3.70 GPa	537 ksi	TD; ExxonMobil Method
Coefficient of Friction	0.80	0.80	VBSR; ExxonMobil Method

Mechanical Properties	460 g/25 mm Metric	460 g/in English	Comments
Seal Strength	@Pressure 0.276 MPa, Temperature 140 °C	@Pressure 40.0 psi, Temperature 284 °F	ExxonMobil Method, 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	2.3	2.3	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.

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