

ExxonMobil Metallyte™ 18MM882 OPP Film

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

Material Notes:

Product Description: An ultra high barrier (UHB), biaxially oriented, multilayer polypropylene film. In addition to an excellent water vapor barrier, this film has an exceptional barrier to oxygen, flavors and aromas. The non-metalized PE compatible layer is designed for excellent adhesion of polyethylene for extrusion coating or extrusion laminations. This layer will lap seal to a range of polyethylene films. This film has excellent and consistent flip characteristics and can be treated for printing and adhesive laminating. **Availability:** Africa & Middle East, Asia Pacific, Europe, Latin America, North America and South America **Key Features:** Outstanding oxygen barrier Outstanding moisture and light barriers Outstanding aroma and flavor barrier Easily converted on the meal side Excellent puncture resistance Lap sealable to PE Stable CoF on unmetallized surface **Features:** Flavor & Aroma Barrier Gas Barrier Grease Resistant Lap Sealable to PE Light Barrier Moisture Barrier Oxygen Barrier Puncture Resistant Two Side Processable **Applications:** Biscuits/Cookie/Crackers Confectionery, Chocolate Crisps and Snacks Dry Foods and Beverage Powders Health and Beauty Care Household and Detergents Pet Food **Uses:** HFFS Flexible Packaging Lidding – Flexible Packaging Pouches – Flexible Packaging Pre-made Bags – Flexible Packaging VFFS Flexible Packaging **Processing Method:** Extrusion Coating, Middle Web Extrusion Lamination and Outer Web Adhesive Lamination **Information provided by ExxonMobil**

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Metallyte-18MM882-OPP-Film.php

Physical Properties	Metric	English	Comments
Water Vapor Transmission	0.0931 g/m ² /day @Temperature 38.0 °C	0.00600 g/100 in ² /day @Temperature 100 °F	90% RH; ExxonMobil Method
Oxygen Transmission Rate	0.101 cc/m ² /day @Temperature 23.0 °C	0.00650 cc/100 in ² /day @Temperature 73.4 °F	ExxonMobil Method
Thickness	18.0 microns	0.710 mil	ExxonMobil Method
Coating Weight	16.2 g/m ²	10.1 lb/ream	ExxonMobil Method

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Break, MD	124 MPa	18000 psi	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Film Tensile Strength at Break, TD	234 MPa	34000 psi	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method

Thermal Properties	Metric	English	Comments
Shrinkage, MD	4.5 % @Temperature 135 °C, Time 432 sec	4.5 % @Temperature 275 °F, Time 0.120 hour	ExxonMobil Method
Shrinkage, TD	4.5 % @Temperature 135 °C,	4.5 % @Temperature 275 °F,	ExxonMobil Method

Thermal Properties	Time 432 sec Metric	Time 0.120 hour English	Comments
Optical Properties	Metric	English	Comments
Optical Density	2.8	2.8	ExxonMobil Method
Transmission, Visible	0.20 %	0.20 %	ExxonMobil Method

Descriptive Properties	Value	Comments
Yield	42900 in ² /lb	

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