

ExxonMobil Metallyte™ 18MM383 OPP Film

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

Material Notes:

Product Description: A biaxially oriented very high barrier metalized polypropylene film. This film offers an outstanding moisture barrier and a broad seal range surface on the other side. This film is designed for high performance packaging applications. **Availability:** Africa & Middle East, Asia Pacific and Europe **Key Features:** Excellent adhesion of aluminum to film Excellent moisture barrier Excellent light barrier Very good hot tack Broad seal range High yield Brilliant metal appearance **Features:** Broad Seal Range Grease Resistant Light Barrier Moisture Barrier **Applications:** Biscuits/ Cookie/ Crackers Confectionery, Chocolate Confectionery, Gum Confectionery, Sugar Crisps and Snacks **Uses:** VFFS Flexible Packaging **Processing Method:** Inner Web Adhesive Lamination **Information provided by ExxonMobil**

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Metallyte-18MM383-OPP-Film.php

Physical Properties	Metric	English	Comments
Water Vapor Transmission	0.202 g/m ² /day @Temperature 38.0 °C	0.0130 g/100 in ² /day @Temperature 100 °F	90% RH; 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 Elongation at Break, MD	175 %	175 %	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Film Elongation at Break, TD	60 %	60 %	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Modulus of Elasticity	2.00 GPa	290 ksi	MD; ExxonMobil Method
	3.60 GPa	522 ksi	TD; ExxonMobil Method
Coefficient of Friction	0.40	0.40	Unmetallized Size (Broad Seal Range Surface); ExxonMobil Method
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	150 MPa	21800 psi	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Film Tensile Strength at Break, TD	290 MPa	42100 psi	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method

Thermal Properties	Metric	English	Comments
	6.5 %	6.5 %	

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

Optical Properties	Metric	English	Comments
Optical Density	2.7	2.7	ExxonMobil Method

Descriptive Properties	Value	Comments
Heat Seal Range	72°F	36.3 psi, 0.2 sec
Yield	43000 in ² /lb	

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