

ExxonMobil Metallyte™ 30MM680 OPP Film

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

Material Notes:

Product Description: A biaxially oriented polypropylene film, metalized on one side, heat sealable on the other side. Typically, all gauges are used laminated with other substrates on HFFS and VFFS applications. 30MM480 can be used as single web mainly on HFFS packaging machines. **Availability:** Africa & Middle East, Asia Pacific and Europe **Key Features:** Excellent adhesion of aluminum to film Excellent moisture barrier Excellent light barrier Good hot tack High yield Easy to convert Brilliant metal appearance **Features:** In Lamination Lap Sealable Light Barrier Moisture Barrier **Applications:** Bakery Biscuits/Cookie/Crackers Confectionery, Chocolate Confectionery, Gum Confectionery, Sugar Crisps and Snacks Frozen Food Ice Cream 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, 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-30MM680-OPP-Film.php

Physical Properties	Metric	English	Comments
Water Vapor Transmission	0.0497 g/m ² /day	0.00320 g/100 in ² /day	85% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	1.20 g/m ² /day	0.0770 g/100 in ² /day	90% RH; ExxonMobil Method
	@Temperature 38.0 °C	@Temperature 100 °F	
Oxygen Transmission Rate	200 cc/m ² /day	12.9 cc/100 in ² /day	Wet, 75% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	202 cc/m ² /day	13.0 cc/100 in ² /day	0% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Thickness	30.5 microns	1.20 mil	ExxonMobil Method
Coating Weight	26.9 g/m ²	16.8 lb/ream	ExxonMobil Method

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	190 %	190 %	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	2.70 GPa	392 ksi	MD; ExxonMobil Method
	3.50 GPa	508 ksi	TD; ExxonMobil Method
Coefficient of Friction	0.25	0.25	Acrylic Surface; ExxonMobil Method
	560 g/25 mm	560 g/in	

Mechanical Properties	Metric	English	Comments
	@Pressure 0.276 MPa, Temperature 140 °C	@Pressure 40.0 psi, Temperature 284 °F	Otto Bruggner, 0.2 sec; ExxonMobil Method
Film Tensile Strength at Break, MD	145 MPa	21000 psi	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Film Tensile Strength at Break, TD	310 MPa	45000 psi	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method

Thermal Properties	Metric	English	Comments
Shrinkage, MD	6.0 % @Temperature 135 °C, Time 432 sec	6.0 % @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
Optical Density	2.3	2.3	ExxonMobil Method

Descriptive Properties	Value	Comments
Heat Seal Range	90°F	36.3 psi, 0.2 sec
Yield	25700 in ² /lb	

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