

ExxonMobil Metallyte™ 38MW280 OPP Film

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

Material Notes:

Product Description: A super white opaque biaxially oriented polypropylene film, metalized on one side. Ideal for single web packaging applications on HFFS in combination with cold seal. **Availability:** Africa & Middle East, Asia Pacific and Europe **Key Features:** Outstanding opacity and light barrier Good moisture barrier Excellent adhesion of aluminum to film Extra high yield Excellent metal appearance Bright white background one side High gloss Exceptional printability and receptivity to coatings Excellent support for cold seal with high seal strength **Features:** Light Barrier **Applications:** Bakery Biscuits/Cookie/Crackers Confectionery, Chocolate Confectionery, Gum Confectionery, Sugar Frozen Food Health and Beauty Care Household and Detergents Pet Food **Uses:** Box Overwrap Flexible Packaging HFFS 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-38MW280-OPP-Film.php

Physical Properties	Metric	English	Comments
Water Vapor Transmission	2.02 g/m ² /day	0.130 g/100 in ² /day	90% RH; ExxonMobil Method
	@Temperature 38.0 °C	@Temperature 100 °F	
Thickness	38.1 microns	1.50 mil	ExxonMobil Method
Coating Weight	23.2 g/m ²	14.5 lb/ream	ExxonMobil Method

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	140 %	140 %	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Film Elongation at Break, TD	50 %	50 %	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Modulus of Elasticity	2.10 GPa	305 ksi	TD; ExxonMobil Method
	7.508 GPa	1089 ksi	MD; ExxonMobil Method
Film Tensile Strength at Break, MD	100 MPa	14500 psi	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Film Tensile Strength at Break, TD	155 MPa	22500 psi	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method

Thermal Properties	Metric	English	Comments
Shrinkage, MD	6.0 %	6.0 %	ExxonMobil Method
	@Temperature 135 °C, Time 432 sec	@Temperature 275 °F, Time 0.120 hour	
	6.0 %	6.0 %	

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

Optical Properties	Metric	English	Comments
Optical Density	2.3	2.3	ExxonMobil Method
Gloss	75 %	75 %	45°; ExxonMobil Method

Descriptive Properties	Value	Comments
Whiteness Index	90	
Yield	29800 in ² /lb	

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