ExxonMobil Metallyte™ 38MW480 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.Availability: Africa & Middle East, Asia Pacific and EuropeKey Features: Outstanding opacity and light barrierConsistent and low COFExcellent metal appearanceBright white background one sideVery good moisture barrierExcellent adhesion of aluminum to filmExtra high yieldGood seal integrity and high seal strengthExcellent support for cold seal with high seal strengthFeatures:In Lamination Lap SealableLight BarrierMoisture BarrierApplications:BakeryBiscuits/Cookie/Crackers Confectionery, Chocolate Confectionery, Gum Confectionery, Sugar Crisps and SnacksFrozen FoodHealth and Beauty CareHousehold and DetergentsIce CreamPet Food Uses: Box Overwrap Flexible PackagingHFFS Flexible PackagingPre-made Bags – Flexible PackagingVFFS Flexible Packaging Processing Method: Cold Seal Adhesive, Inner Web Adhesive Lamination, Solvent Flexographic Printing, Solvent Rotogravure Printing and Surface Print UnsupportedInformation provided by ExxonMobil

Order this product through the following link:
http://www.lookpolymers.com/polymer_ExxonMobil-Metallyte-38MW480-OPP-Film.php

Physical Properties	Metric	English	Comments
Water Vapor Transmission	0.497 g/m²/day @Temperature 38.0 °C	0.0320 g/100 in²/day @Temperature 100 °F	90% RH; ExxonMobil Method
Oxygen Transmission Rate	80.1 cc/m²/day @Temperature 23.0 °C	5.16 cc/100 in²/day @Temperature 73.4 °F	Wet, 75% RH; ExxonMobil Method
	80.7 cc/m²/day @Temperature 23.0 °C	5.20 cc/100 in²/day @Temperature 73.4 °F	0% RH; ExxonMobil Method
Thickness	38.1 microns	1.50 mil	ExxonMobil Method
Coating Weight	23.2 g/m²	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	1.30 GPa	189 ksi	MD; ExxonMobil Method
	2.10 GPa	305 ksi	TD; ExxonMobil Method
Coefficient of Friction	0.40	0.40	Unmetallized Side; ExxonMobil Method
Seal Strength	410 g/25 mm @Pressure 0.276 MPa,	410 g/in @Pressure 40.0 psi,	Otto Brugger, 0.2 sec; ExxonMobil Method

Mechanical Properties	Temperature 130 °C Metric	Temperature 266 °F English	Comments
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 % @Temperature 135 °C, Time 432 sec	6.0 % @Temperature 275 °F, Time 0.120 hour	ExxonMobil Method
Shrinkage, TD	6.0 % @Temperature 135 °C, Time 432 sec	6.0 % @Temperature 275 °F, Time 0.120 hour	ExxonMobil Method

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

Descriptive Properties	Value	Comments
Heat Seal Range	54°F	36.3 psi, 0.2 sec
Whiteness Index	90	
Yield	29800 in^2/lb	

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