ExxonMobil Metallyte™ 18MM388 OPP Film

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

Material Notes:

Product Description: A metallized biaxially oriented polypropylene film, metalized on one side with a broad seal range surface on the other side. This film is designed for high barrier performance packaging applications.Availability: Africa & Middle East, Asia Pacific and EuropeKey Features:Excellent adhesion of aluminum to filmExcellent oxygen barrierExcellent moisture barrierExcellent light barrierVery good hot tackBroad seal rangeHigh yieldBrilliant metal appearanceFeatures: Flavor & Aroma BarrierGas BarrierIn Lamination Lap SealableLight BarrierMoisture BarrierOxygen BarrierApplications: Crisps and SnacksDry Foods and Beverage PowdersPet Food Uses: HFFS Flexible PackagingPre-made Bags – Flexible Packaging VFFS Flexible Packaging Processing Method: Cold Seal Adhesive, Inner Web Adhesive Lamination, Inner Web Extrusion 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-18MM388-OPP-Film.php

Physical Properties	Metric	English	Comments
Water Vapor Transmission	0.202 g/m²/day @Temperature 23.0 °C	0.0130 g/100 in²/day @Temperature 73.4 °F	85% RH; ExxonMobil Method
	0.202 g/m²/day @Temperature 38.0 °C	0.0130 g/100 in²/day @Temperature 100 °F	90% RH; ExxonMobil Method
Oxygen Transmission Rate	26.1 cc/m²/day @Temperature 23.0 °C	1.68 cc/100 in²/day @Temperature 73.4 °F	Wet, 75% RH; ExxonMobil Method
	26.4 cc/m²/day @Temperature 23.0 °C	1.70 cc/100 in²/day @Temperature 73.4 °F	0% RH; ExxonMobil Method
Thickness	18.0 microns	0.710 mil	ExxonMobil Method
Coating Weight	16.0 g/m²	10.0 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
Seal Strength	460 g/25 mm @Pressure 0.276 MPa,	460 g/in @Pressure 40.0 psi,	Otto Brugger, 0.2 sec; ExxonMobil Method

Mechanical Properties	Metric Temperature 140 °C	English Temperature 284 °F	Comments
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
Shrinkage, MD	6.5 % @Temperature 135 °C, Time 432 sec	6.5 % @Temperature 275 °F, Time 0.120 hour	ExxonMobil Method
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	2.5	2.5	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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