ExxonMobil Oppalyte™ 35MW647 OPP Film

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

Material Notes:

Product Description: A super white opaque biaxially oriented polypropylene film acrylic coated two sides. Provides outstanding performances on all types of packaging machines.Availability: Africa & Middle East, Asia Pacific and EuropeKey Features:Outstanding opacity, white background and reduced show-throughBroad sealing range on both sidesGood aroma and moisture barriersExcellent light barrierHigh yieldGood stiffnessSolvent-free coatingsIdeal support for water based ink printingExcellent hot tackPrintable both sidesFeatures: Acrylic CoatedFlavor & Aroma BarrierIn Lamination Lap SealableLight BarrierApplications:BakeryBiscuits/Cookie/Crackers Box OverwrapConfectionery, ChocolateConfectionery, GumConfectionery, SugarCrisps and SnacksDry Foods and Beverage Powders Health and Beauty CareHousehold Detergents Uses:Box Overwrap Flexible Packaging HFFS Flexible Packaging Pre-made Bags – Flexible PackagingVFFS Flexible PackagingProcessing Method: Cold Seal Adhesive, Inner Web Adhesive Lamination, Outer 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-Oppalyte-35MW647-OPP-Film.php

Physical Properties	Metric	English	Comments
Water Vapor Transmission	1.30 g/m²/day @Temperature 23.0 °C	0.0840 g/100 in²/day @Temperature 73.4 °F	85% RH; ExxonMobil Method
	6.05 g/m²/day @Temperature 38.0 °C	0.390 g/100 in²/day @Temperature 100 °F	90% RH; ExxonMobil Method
Oxygen Transmission Rate	900 cc/m²/day @Temperature 23.0 °C	58.0 cc/100 in²/day @Temperature 73.4 °F	0% RH; ExxonMobil Method
	902 cc/m²/day @Temperature 23.0 °C	58.1 cc/100 in²/day @Temperature 73.4 °F	Wet, 75% RH; ExxonMobil Method
Thickness	35.6 microns	1.40 mil	ExxonMobil Method
Coating Weight	22.1 g/m²	13.8 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

Mechanical Properties	Metric	English	Comments
Coefficient of Friction	0.25	0.25	Both Sides; ExxonMobil Method
Seal Strength	410 g/25 mm @Pressure 0.276 MPa, Temperature 130 °C	410 g/in @Pressure 40.0 psi, Temperature 266 °F	Otto Brugger, 0.2 sec; 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	5.0 % @Temperature 135 °C, Time 432 sec	5.0 % @Temperature 275 °F, Time 0.120 hour	ExxonMobil Method
Shrinkage, TD	5.0 % @Temperature 135 °C, Time 432 sec	5.0 % @Temperature 275 °F, Time 0.120 hour	ExxonMobil Method

Optical Properties	Metric	English	Comments
Gloss	75 %	75 %	45°; ExxonMobil Method
Transmission, Visible	22 %	22 %	ExxonMobil Method

Descriptive Properties	Value	Comments
Heat Seal Range	90°F	36.3 psi, 0.2 sec
Whiteness Index	80	
Yield	31200 in^2/lb	

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