ExxonMobil Oppalyte™ 47MW247 OPP Film

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

Material Notes:

Product Description: A super white opaque biaxially oriented polypropylene film. It is designed for use in cold seal applications where superior optics and graphics are desired.Availability: Africa & Middle East, Asia Pacific and EuropeKey Features: Outstanding opacity and bright white backgroundExtra high yieldReduced show-throughHigh glossExceptional printability and receptivity to coatingsExcellent support for cold seal and high seal strengthFeatures: Light BarrierApplications:BakeryBiscuits/Cookie/Crackers Confectionery, ChocolateConfectionery, GumConfectionery, SugarCrisps and SnacksDry Foods and Beverage Powders Frozen Food Household and Detergents Ice Cream Uses:HFFS Flexible Packaging Processing Method: Cold Seal Adhesive, Inner Web Adhesive Lamination, Inner Web Extrusion 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-47MW247-OPP-Film.php

Physical Properties	Metric	English	Comments
Water Vapor Transmission	0.807 g/m²/day @Temperature 23.0 °C	0.0520 g/100 in²/day @Temperature 73.4 °F	85% RH; ExxonMobil Method
	0.900 g/m²/day @Temperature 25.0 °C	0.0580 g/100 in²/day @Temperature 77.0 °F	75% RH; ExxonMobil Method
	4.04 g/m²/day @Temperature 38.0 °C	0.260 g/100 in²/day @Temperature 100 °F	90% RH; ExxonMobil Method
Thickness	48.3 microns	1.90 mil	ExxonMobil Method
Coating Weight	28.5 g/m²	17.8 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
Coefficient of Friction	0.60	0.60	Untreated Surface; ExxonMobil Method
Film Tensile Strength at Break, MD	100 MPa	14500 psi	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
	155 MPa	22500 psi	7.9 in/min, 4.9 in Jaw Separation;

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Break, TD			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
Gloss	75 %	75 %	45°; ExxonMobil Method
Transmission, Visible	16 %	16 %	ExxonMobil Method

Descriptive Properties	Value	Comments
Whiteness Index	90	
Yield	24200 in^2/lb	

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