ExxonMobil Oppalyte™ 40MH247 OPP Film

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

Material Notes:

Product Description: A super white opaque, modified higher density, biaxially oriented polypropylene film. This opaque and stiff film is ideal for mono material requirements and it has been especially designed for cold seal applications.Availability: Africa & Middle East, Asia Pacific and EuropeKey Features: Excellent stiffness and flex resistanceOutstanding opacity, white background and reduced show-throughGood moisture barrierExceptional printability and receptivity to coatingsExcellent support for cold seal adhesionFeatures:Light BarrierApplications:BakeryBiscuits/Cookie/Crackers Confectionery, ChocolateConfectionery, GumConfectionery, SugarCrisps and SnacksDry Foods and Beverage Powders Frozen FoodHousehold and DetergentsIce 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-40MH247-OPP-Film.php

Physical Properties	Metric	English	Comments
Water Vapor Transmission	0.900 g/m²/day @Temperature 23.0 °C	0.0580 g/100 in²/day @Temperature 73.4 °F	85% RH; ExxonMobil Method
	4.19 g/m²/day @Temperature 38.0 °C	0.270 g/100 in²/day @Temperature 100 °F	90% RH; ExxonMobil Method
Thickness	40.6 microns	1.60 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	170 %	170 %	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Film Elongation at Break, TD	55 %	55 %	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Modulus of Elasticity	1.70 GPa	247 ksi	MD; ExxonMobil Method
	2.80 GPa	406 ksi	TD; ExxonMobil Method
Coefficient of Friction	0.60	0.60	Untreated Surface; ExxonMobil Method
Film Tensile Strength at Break, MD	105 MPa	15200 psi	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Film Tensile Strength at Break, TD	185 MPa	26800 psi	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method

Thermal Properties	Metric	English	Comments

Thermal Properties	Metric	English	Comments
Shrinkage, MD	3.0 % @Temperature 135 °C, Time 432 sec	3.0 % @Temperature 275 °F, Time 0.120 hour	ExxonMobil Method
Shrinkage, TD	3.0 % @Temperature 135 °C, Time 432 sec	3.0 % @Temperature 275 °F, Time 0.120 hour	ExxonMobil Method

Optical Properties	Metric	English	Comments
Gloss	70 %	70 %	45°; ExxonMobil Method
Transmission, Visible	25 %	25 %	ExxonMobil Method

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

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