ExxonMobil Oppalyte™ 42MH648 OPP Film

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

Material Notes:

Product Description: A high speed super white opaque, modified higher density, biaxially oriented polypropylene film, acrylic coated one side acrylic, one side very low temperature seal (VLTS) coating. VLTS coating provides excellent performance on high speed HFFS machines. Acrylic provides the aroma barrier and an excellent support for printing.Availability: Africa & Middle East, Asia Pacific and EuropeKey Features: Exceptional wide sealing range with a low minimum sealing temperature (MST) Excellent seal strength and hot-tackRobust performance on horizontal flowpack machinesExcellent humidity seal retention on VLTS sideGood aroma barrierExcellent stiffnessOutstanding opacity, white background and reduced show-throughIdeal support for normal ink systemsWater based coatingsFeatures:Acrylic CoatedFlavor & Aroma BarrierHumidity Resistant Light BarrierVery Broad Seal RangeVLTS CoatedApplications:BakeryBiscuits/Cookie/Crackers Confectionery, ChocolateConfectionery, GumConfectionery, SugarCrisps and SnacksDry Foods and Beverage Powders Health and Beauty Care Household and Detergents Ice CreamPet food Uses:HFFS Flexible PackagingProcessing Method: 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-42MH648-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
	4.04 g/m²/day @Temperature 38.0 °C	0.260 g/100 in²/day @Temperature 100 °F	90% RH; ExxonMobil Method
Oxygen Transmission Rate	745 cc/m²/day @Temperature 23.0 °C	48.0 cc/100 in²/day @Temperature 73.4 °F	0% RH; ExxonMobil Method
	751 cc/m²/day @Temperature 23.0 °C	48.4 cc/100 in²/day @Temperature 73.4 °F	Wet, 75% RH; ExxonMobil Method
Thickness	43.2 microns	1.70 mil	ExxonMobil Method
Coating Weight	30.4 g/m²	19.0 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
			TD; ExxonMobil Method

Mechanical Properties	Metric	English	Comments
	2.80 GPa	406 ksi	
Coefficient of Friction	0.25	0.25	Acrylic; ExxonMobil Method
	0.45	0.45	VLTS; ExxonMobil Method
Seal Strength	410 g/25 mm @Pressure 0.138 MPa, Temperature 80.0 °C	410 g/in @Pressure 20.0 psi, Temperature 176 °F	0.8 sec; 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
Shrinkage, MD	5.0 % @Temperature 135 °C, Time 432 sec	5.0 % @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
Heat Seal Range	108°F	VLTS, 36.3 psi, 0.2 sec
Whiteness Index	80	
Yield	22600 in^2/lb	

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