ExxonMobil Oppalyte™ 42AH748 OPP Film

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

Material Notes:

Product Description: A high barrier, high speed, super white opaque, modified higher density biaxially oriented polypropylene film, coated one side high barrier PVdC, one side very low temperature seals VLTS coating. High barrier PVdC coating provides excellent moisture, gas and aroma protection for all types of products. VLTS coating provides excellent performance on high speed HFFS machines.Availability: Africa & Middle East, Asia Pacific and EuropeKey Features: Excellent moisture, oxygen and aroma barriersExceptional wide sealing range with low minimum sealing temperature (MST)Excellent seal strength and hot tackRobust performance on horizontal flow pack machinesExcellent humidity seal retentionExcellent stiffnessOutstanding opacity, white background and reduced show-throughWater based coatingsFeatures:Acrylic CoatedFlavor & Aroma BarrierGas BarrierHigh Barrier Printable PVdC CoatedHumidity ResistantLight BarrierMoisture BarrierOxygen BarrierVery Broad Seal RangeVLTS CoatedApplications:BakeryBiscuits/Cookie/Crackers Box OverwrapConfectionery, ChocolateConfectionery, GumConfectionery, SugarCrisps and SnacksDry Foods and Beverage PowdersFrozen Food Health and Beauty Care Household and Detergents Pet food Uses: Box Overwrap Flexible PackagingHFFS Flexible Packaging Pre-made Bags – Flexible PackagingVFFS Flexible PackagingProcessing Method: Cold Seal Adhesive, 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-42AH748-OPP-Film.php

Physical Properties	Metric	English	Comments
Water Vapor Transmission	0.497 g/m²/day @Temperature 23.0 °C	0.0320 g/100 in²/day @Temperature 73.4 °F	85% RH; ExxonMobil Method
	2.95 g/m²/day @Temperature 38.0 °C	0.190 g/100 in²/day @Temperature 100 °F	90% RH; ExxonMobil Method
Oxygen Transmission Rate	20.0 cc/m²/day @Temperature 23.0 °C	1.29 cc/100 in²/day @Temperature 73.4 °F	Wet, 75% RH; ExxonMobil Method
	20.2 cc/m²/day @Temperature 23.0 °C	1.30 cc/100 in²/day @Temperature 73.4 °F	0% RH; ExxonMobil Method
Thickness	43.2 microns	1.70 mil	ExxonMobil Method
Coating Weight	31.8 g/m²	19.9 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

Mechanical Properties	Metric	English	Comments
Coefficient of Friction	0.28	0.28	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	LTS, 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	85 %	85 %	45°, PVdC Surface; ExxonMobil Method
Transmission, Visible	25 %	25 %	ExxonMobil Method

Descriptive Properties	Value	Comments
Carbon Dioxide Transmission Rate	5.16 cc/100 in^2/ 24 hr	75% RH, ASTM D1434
Heat Seal Range	108°F	VLTS, 36.3 psi, 0.2 sec
Nitrogen Transmission Rate	0.645 cc/100 in^2/ 24 hr	75% RH, ASTM D1434
Yield	21700 in^2/lb	

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