ExxonMobil Oppalyte™ 38MO447 OPP Film

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

Material Notes:

Product Description: A coextruded white opaque, low density, biaxially oriented polypropylene film, heat sealable on the inside. The treated layer must be printed and varnished to provide the necessary slip properties for optimum machinability. Used mostly as a single web, 38MO447 gives outstanding results on the HFFS packaging machines, and is particularly well designed for the ice-cream applications.Availability: Africa & Middle East, Asia Pacific and EuropeKey Features: White opaque background and reduced show-throughSuperior light barrierExcellent dimensional stability and stiffnessExtra high yieldHigh glossGood seal strength and sealing rangeExceptional printability and receptivity to coatingsFeatures: In Lamination Lap SealableLight BarrierApplications: BakeryBiscuits/Cookie/Crackers Box OverwrapConfectionery, ChocolateConfectionery, GumConfectionery, SugarCrisps and SnacksDry Foods and Beverage Powders Fresh ProduceFrozen FoodHealth and Beauty CareHousehold and DetergentsIce Cream Uses:HFFS Flexible PackagingPre-made Bags – Flexible PackagingVFFS 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-38MO447-OPP-Film.php

Physical Properties	Metric	English	Comments
Water Vapor Transmission	1.10 g/m²/day @Temperature 23.0 °C	0.0710 g/100 in²/day @Temperature 73.4 °F	85% RH; ExxonMobil Method
	5.28 g/m²/day @Temperature 38.0 °C	0.340 g/100 in²/day @Temperature 100 °F	90% RH; ExxonMobil Method
Thickness	38.1 microns	1.50 mil	ExxonMobil Method
Coating Weight	23.2 g/m²	14.5 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
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

Mechanical Properties	Metric	English	Comments
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	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	90 %	90 %	45°; ExxonMobil Method
Transmission, Visible	21 %	21 %	ExxonMobil Method

Descriptive Properties	Value	Comments
Heat Seal Range	54°F	36.3 psi, 0.2 sec
Yield	29800 in^2/lb	

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