ExxonMobil Oppalyte™ 40MD447 OPP Film

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

Material Notes:

Product Description: A coextruded super white opaque, modified higher density, biaxially oriented polypropylene film, heat sealable on both sides. This opaque and extremely stiff film is ideal for use on VFFS and HFFS machines.Availability: Africa & Middle East, Asia Pacific and EuropeKey Features: Exceptional stiffness and flex resistanceGood seal strengthExcellent dimensional stabilityGood hot slipGood hot tackFeatures:In Lamination Lap SealableLight BarrierApplications: BakeryBiscuits/Cookie/Crackers Confectionery, ChocolateConfectionery, GumConfectionery, SugarCrisps and SnacksDry Foods and Beverage Powders Fresh ProduceFrozen Food Health and Beauty CareHousehold and DetergentsIce Cream Pet Food Uses:Box Overwrap Flexible PackagingHFFS 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-40MD447-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
Thickness	40.6 microns	1.60 mil	ExxonMobil Method
Coating Weight	31.4 g/m²	19.6 lb/ream	ExxonMobil Method

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	160 %	160 %	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Film Elongation at Break, TD	65 %	65 %	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Modulus of Elasticity	1.70 GPa	247 ksi	MD; ExxonMobil Method
	3.20 GPa	464 ksi	TD; ExxonMobil Method
Coefficient of Friction	0.25	0.25	Untreated Surface; ExxonMobil Method
	0.30	0.30	Treated Surface; ExxonMobil Method
Seal Strength	410 g/25 mm @Pressure 0.276 MPa, Temperature 140 °C	410 g/in @Pressure 40.0 psi, Temperature 284 °F	Otto Brugger, 0.2 sec; ExxonMobil Method

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Break, MD	200 MPa	29000 psi	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method

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	55 %	55 %	45°; ExxonMobil Method
Transmission, Visible	27 %	27 %	ExxonMobil Method

Descriptive Properties	Value	Comments
Heat Seal Range	45°F	Untreated/Treated, 36.3 psi, 0.2 sec
	54°F	Untreated/Untreated, 36.3 psi, 0.2 sec
Whiteness Index	90	
Yield	22000 in^2/lb	

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