

ExxonMobil Oppalyte™ 38ICE OPP Film

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

Material Notes:

Product Description: A coextruded white opaque, low density, biaxially oriented polypropylene film. This film is designed for the ice cream applications, and is suitable for heat seal and cold seal of HFFS lines. **Availability:** Africa & Middle East, Asia Pacific and Europe

Features: High yield White opaque background and reduced show-through High COF inside to optimize the line efficiency for heat seal applications Well adapted to cold seal process Treated layer must be varnished to ensure good runnability on HFFS machine **Features:** In Lamination Lap Sealable Light Barrier **Applications:** Frozen Food Ice Cream **Uses:** HFFS Flexible Packaging **Processing Method:** Cold Seal Adhesive, Outer Web Adhesive Lamination, Solvent Flexographic Printing, Solvent Rotogravure Printing and Surface Print

Unsupported Information provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Oppalyte-38ICE-OPP-Film.php

Physical Properties	Metric	English	Comments
Thickness	38.1 microns	1.50 mil	ExxonMobil Method
Coating Weight	23.2 g/m ²	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	300 g/25 mm @Pressure 0.276 MPa, Temperature 130 °C	300 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
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 %	6.0 %	ExxonMobil Method
	@Temperature 135 °C, Time 432 sec	@Temperature 275 °F, Time 0.120 hour	
	6.0 %	6.0 %	

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