

ExxonMobil Oppalyte™ 33ICE OPP Film

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

Material Notes:

Product Description: 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 on HFFS lines. **Availability:** Africa & Middle East, Asia Pacific and Europe **Key Features:** High yield White opaque background and reduced show-through High COF inside to optimize 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-33ICE-OPP-Film.php

Physical Properties	Metric	English	Comments
Thickness	33.0 microns	1.30 mil	ExxonMobil Method
Coating Weight	20.2 g/m ²	12.6 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	Metric @Temperature 135 °C, Time 432 sec	English @Temperature 275 °F, Time 0.120 hour	ExxonMobil Method Comments
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Optical Properties	Metric	English	Comments
Gloss	75 %	75 %	45°; ExxonMobil Method
Transmission, Visible	24 %	24 %	ExxonMobil Method

Descriptive Properties	Value	Comments
Heat Seal Range	54°F	36.3 psi, 0.2 sec
Yield	34300 in ² /lb	

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