

ExxonMobil Metallyte™ 38ICE M OPP Film

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

Material Notes:

Product Description: A coextruded super white opaque, low density, biaxially oriented polypropylene film, metalized on one side. This film is designed for HFFS applications, heat seal or cold seal. **Availability:** Africa & Middle East, Asia Pacific and Europe **Key Features:** High yield Outstanding opacity and light barrier Brilliant metal appearance on one side, bright white background on the other side Well adapted to cold seal process High SOF inside to optimize line efficiency (product positioning) Metal surface must be varnished to be protected **Features:** Light Barrier **Applications:** Frozen Food Ice Cream **Uses:** HFFS Flexible Packaging **Processing Method:** Cold Seal Adhesive, 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-Metallyte-38ICE-M-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	360 g/25 mm @Pressure 0.276 MPa, Temperature 140 °C	360 g/in @Pressure 40.0 psi, Temperature 284 °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	
Shrinkage, TD	6.0 %	6.0 %	ExxonMobil Method
	@Temperature 135 °C, Time 432 sec	@Temperature 275 °F, Time 0.120 hour	

Thermal Properties	Metric	English	Comments
Optical Properties	Metric	English	Comments
Optical Density	3.6	3.6	ExxonMobil Method
Gloss	75 %	75 %	45°; 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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