

ExxonMobil Metallyte™ UHB 35MU842 OPP Film

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

Material Notes:

Product Description: A metalized high opacity white oriented polypropylene film. It is biaxially oriented, multi-layer polypropylene film with aluminum deposited on an adhesion promoting layer. The proprietary core and a modified outer skin provide the film with outstanding opacity and bring white background. Designed for use in lamination as well as in single web (with cold seal), this film combines superior barrier properties with excellent machinability. ExxonMobil advises printing this film on the white side to minimize risk of optical defects.

Availability: Africa & Middle East, Asia Pacific and Europe

Key Features: High opacity and bright white background
Clean white appearance on white side
Excellent aluminum adhesion to film
Outstanding moisture and gas barriers
Extraordinary flavor and aroma barriers
The treated surface offer excellent print quality, ink, cold seal and adhesive anchorage

Features: Flavor & Aroma Barrier
Gas Barrier
Light Barrier
Moisture Barrier
Oxygen Barrier

Applications: Bakery Biscuits/Cookie/Crackers
Confectionery, Chocolate Confectionery, Gum Confectionery, Sugar
Crisps and Snacks
Dry Foods (PP) and Beverage Powders
Frozen Pet Food

Uses: HFFS Flexible Packaging Pouches – Flexible Packaging
Pre-made Bags – Flexible Packaging
VFFS Flexible Packaging

Processing Method: Cold Seal Adhesive, Extrusion Coating, Inner Web Adhesive Lamination, Inner Web Extrusion Lamination, Outer Web Adhesive Lamination, Outer Web Extrusion Lamination, Solvent Flexographic Priming, Solvent Rotogravure Printing, Surface Print Unsupported and Water-based Flexographic Printing

Information provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Metallyte-UHB-35MU842-OPP-Film.php

Physical Properties	Metric	English	Comments
Water Vapor Transmission	0.101 g/m ² /day	0.00650 g/100 in ² /day	90% RH; ExxonMobil Method
	@Temperature 38.0 °C	@Temperature 100 °F	
Oxygen Transmission Rate	0.101 cc/m ² /day	0.00650 cc/100 in ² /day	0% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Thickness	35.6 microns	1.40 mil	ExxonMobil Method
Coating Weight	24.8 g/m ²	15.5 lb/ream	ExxonMobil Method

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	170 %	170 %	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	1.50 GPa	218 ksi	MD; ExxonMobil Method
	2.60 GPa	377 ksi	TD; ExxonMobil Method
Film Tensile Strength at Break, MD	105 MPa	15200 psi	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method

Film Tensile Strength at Break, TD Mechanical Properties	210 MPa Metric	30500 psi English	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
---	-------------------	----------------------	---

Thermal Properties	Metric	English	Comments
Shrinkage, MD	4.0 % @Temperature 135 °C, Time 432 sec	4.0 % @Temperature 275 °F, Time 0.120 hour	ExxonMobil Method
Shrinkage, TD	4.0 % @Temperature 135 °C, Time 432 sec	4.0 % @Temperature 275 °F, Time 0.120 hour	ExxonMobil Method

Optical Properties	Metric	English	Comments
Optical Density	3.9	3.9	ExxonMobil Method
Gloss	90 %	90 %	45°; ExxonMobil Method

Descriptive Properties	Value	Comments
Carbon Dioxide Transmission Rate	0.0323 cc/100 in ² / 24 hr	ASTM D1434
Nitrogen Transmission Rate	0.00323 cc/100 in ² / 24 hr	ASTM D1434
Treatment	41 dyne/cm	Treated Surface
Yield	27900 in ² /lb	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China