

Metallyte™ 30MM680

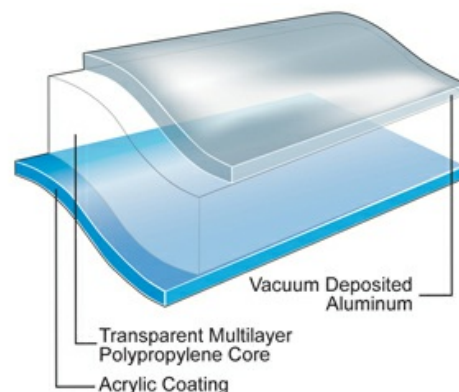
Oriented Polypropylene Film

Product Description

Metallyte 30MM680 is a biaxially oriented polypropylene, metallized on one side, and acrylic coated on the other side. It is suitable for lamination as well as single web applications.

Key Features

- Excellent adhesion of aluminum
- Good moisture barrier
- Very good aroma barrier
- Good light barrier
- Excellent hot tack
- Broad seal range
- Outstanding gloss properties
- Low sealing threshold
- Exceptional seal strength
- Water-based coatings



General

Availability

- ✓ Africa & Middle East
- ✓ Asia Pacific
- ✓ Europe

Features

- ✓ Acrylic Coated
- ✓ Flavor & Aroma Barrier
- ✓ In Lamination Lap Sealable
- ✓ Moisture Barrier
- ✓ Light Barrier
- ✓ Broad Seal Range

Applications

- ✓ Biscuits/Cookie/Crackers
- ✓ Box Overwrap
- ✓ Confectionery, Gum
- ✓ Confectionery, Sugar
- ✓ Tobacco
- ✓ Bakery
- ✓ Confectionery, Chocolate
- ✓ Health and Beauty Care
- ✓ Household and Detergents
- ✓ Crisps and Snacks
- ✓ Pet Food

Uses

- ✓ Box Overwrap Flexible Packaging
- ✓ HFFS Flexible Packaging
- ✓ Tobacco Overwrap Flexible Packaging
- ✓ VFFS Flexible Packaging

Appearance

Processing Method

- ✓ Cold Seal Adhesive
- ✓ Inner Web Adhesive Lamination
- ✓ Solvent Flexographic Printing
- ✓ Solvent Rotogravure Printing
- ✓ Surface Print Unsupported

Revision date

 October 10, 2013

Properties

Property	Typical Value	Unit	Test Based On
Yield	36.6	m ² /kg	Internal Method
Unit Weight	27.3	g/m ²	Internal Method
Film Thickness	30	μ	Internal Method
Optical Density	2.3		Internal Method
Tensile Strength at Break <i>200 mm/min pull rate, 120 mm jaw separation</i>			
MD	145	Mpa	Internal Method
TD	310	Mpa	Internal Method
Elongation at Break <i>200 mm/min pull rate, 120 mm jaw separation</i>			
MD	190	%	Internal Method
TD	60	%	Internal Method
Dimensional Stability 135°C / 275°F, 7 min			
MD	-6.0	%	Internal Method
TD	-3.0	%	Internal Method
Elastic Modulus			
MD	2700	Mpa	Internal Method
TD	3500	Mpa	Internal Method
Seal Strength (Otto Brügger) 130°C, 0.3 Mpa, 0.2 sec			
	550	g/2.5 cm	Internal Method
Heat Seal Range 0.250 Mpa, 0.2 sec			
	50	°C	Internal Method
Coefficient of Friction Acrylic Surface			
	0.25		Internal Method
Water Vapor Transmission Rate			
38°C, 90% RH	1.2	g/m ² /24 hr	Internal Method
23°C, 85% RH	0.050	g/m ² /24 hr	Internal Method
Oxygen Transmission Rate 23°C, 0% RH			
	200	cm ³ /m ² /24 hr	Internal Method
Oxygen Transmission Rate (Wet) 23°C, 75% RH			
	200	cm ³ /m ² /24 hr	Internal Method

Legal Statement

Contact your Jindal Films Customer Service Representative for potential food contact application compliance (e.g. FDA, EU, HPFB). This product is not intended for use in medical applications and should not be used in any such applications.

Processing Statement

-In most cases, in- treatment and priming are recommended on the metallized surface for printing. In- treatment is suggested on the metallized surface for extrusion laminating and water-based adhesive laminating. Consult ExxonMobil Chemical Technical Service for details.

Footnotes

1. Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete country availability.
2. Tested at 38°C (100°F)/100%RH, then calculated to 90%RH with .90 multiplier.
3. Sample dimensions and conditioning vary due to differences in equipment design.

Typical properties: these are not to be construed as specifications.

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