

Metallyte™ 18MM383

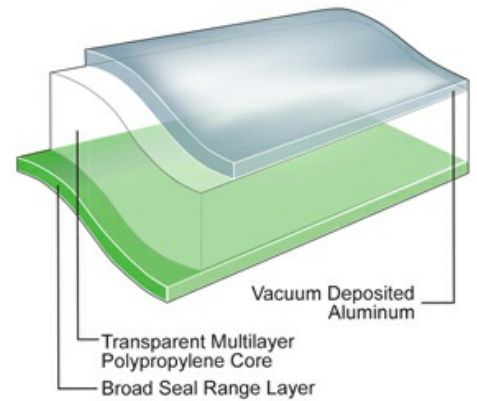
Oriented Polypropylene Film

Product Description

Metallyte 18MM383 is a biaxially oriented very high barrier metalized polypropylene film. This film offers an outstanding moisture barrier and a broad seal range surface on the other side. This film is designed for high barrier performance packaging applications.

Key Features

- Excellent adhesion of aluminum to film
- Excellent moisture barrier
- Excellent light barrier
- Very good hot tack
- Broad seal range
- High yield
- Brilliant metal appearance



General

Availability

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

Features

- ✓ Moisture Barrier
- ✓ Light Barrier
- ✓ Broad Seal Range
- ✓ Grease Resistant

Applications

- ✓ Biscuits/Cookie/Crackers
- ✓ Confectionery, Gum
- ✓ Confectionery, Sugar
- ✓ Confectionery, Chocolate
- ✓ Crisps and Snacks

Uses

- ✓ VFFS Flexible Packaging

Appearance

Processing Method

- ✓ Inner Web Adhesive Lamination

Revision date

- ✓ October 10, 2013

Properties

Property	Typical Value	Unit	Test Based On
Yield	61.1	m ² /kg	Internal Method
Unit Weight	16.4	g/m ²	Internal Method
Film Thickness	18	μ	Internal Method
Optical Density	2.7		Internal Method
Tensile Strength at Break <i>200 mm/min pull rate, 120 mm jaw separation</i>			
MD	150	Mpa	Internal Method
TD	290	Mpa	Internal Method
Elongation at Break <i>200 mm/min pull rate, 120 mm jaw separation</i>			
MD	175	%	Internal Method
TD	60	%	Internal Method
Dimensional Stability 135°C / 275°F, 7 min			
MD	-6.5	%	Internal Method
TD	-4.5	%	Internal Method
Elastic Modulus			
MD	2000	Mpa	Internal Method
TD	3600	Mpa	Internal Method
Seal Strength (Otto Brügger) 140°C, 0.3 Mpa, 2 sec			
	450	g/2.5 cm	Internal Method
Heat Seal Range 0.250 Mpa, 0.2 sec			
	40	°C	Internal Method
Coefficient of Friction Unmetallized Side (Broad Seal Range Surface)			
	0.40		Internal Method
Water Vapor Transmission Rate 38°C, 90% RH			
	0.20	g/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

- Standard reel winding: Metallized side inside

-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 Jindal Films 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.

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

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