

Metallyte™ 18MM483

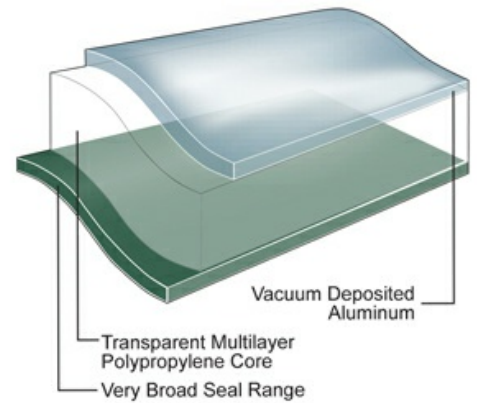
Oriented Polypropylene Film

Product Description

Biaxially oriented polypropylene film, metallized on one side with a very broad seal range surface on the other side. This film is designed for high barrier performance packaging applications. Designed to be used in single web on HFFS or laminated to other substrates on all types of packaging machines.

Key Features

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



General

Availability

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

Features

- ✓ Flavor & Aroma Barrier
- ✓ In Lamination Lap Sealable
- ✓ Gas Barrier
- ✓ Moisture Barrier
- ✓ Oxygen Barrier
- ✓ Light Barrier

Applications

- ✓ Biscuits/Cookie/Crackers
- ✓ Confectionery, Gum
- ✓ Confectionery, Sugar
- ✓ Bakery
- ✓ Confectionery, Chocolate
- ✓ Frozen Food
- ✓ Crisps and Snacks
- ✓ Dry Foods and Beverage Powders
- ✓ Pet Food

Uses

- ✓ HFFS Flexible Packaging
- ✓ Pre-made Bags - Flexible Packaging
- ✓ VFFS Flexible Packaging

Appearance

Processing Method

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

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	2.5		Internal Method
Tensile Strength at Break <i>200 mm/min pull rate, 120 mm jaw separation</i>			
MD	140	Mpa	Internal Method
TD	260	Mpa	Internal Method
Elongation at Break <i>200 mm/min pull rate, 120 mm jaw separation</i>			
MD	160	%	Internal Method
TD	55	%	Internal Method
Dimensional Stability 135°C / 275°F, 7 min			
MD	-4.0	%	Internal Method
TD	-4.0	%	Internal Method
Elastic Modulus			
MD	2000	Mpa	Internal Method
TD	3700	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	55	°C	Internal Method
Water Vapor Transmission Rate			
38°C, 90% RH	0.20	g/m ² /24 hr	Internal Method
25°C, 75% RH	0.10	g/m ² /24 hr	Internal Method
23°C, 85% RH	0.10	g/m ² /24 hr	Internal Method
Oxygen Transmission Rate			
23°C, 0% RH	26	cm ³ /m ² /24 hr	Internal Method
Oxygen Transmission Rate (Wet)			
23°C, 75% RH	26.0	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

- 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.
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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