

Metallyte™ 18MM348

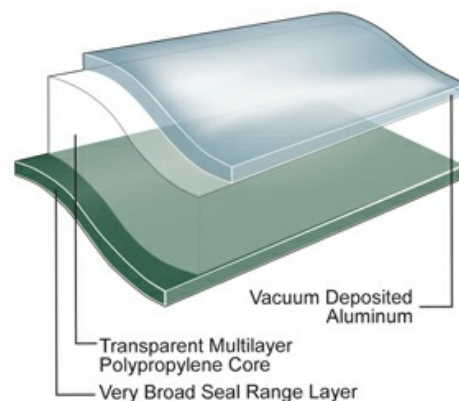
Oriented Polypropylene Film

Product Description

18MM348 is an enhanced barrier metallized film with a very broad seal range designed to be used in laminates with OPP or Polyester for HFFS applications. The design of this film allows excellent performance on HFFS machines, especially when laminated with PET. Due to the consistent slip properties, it can be also used in most VFFS applications. In addition to this, the improved barrier properties make it an excellent choice for sensitive product packaging, combining great product protection and yield advantage.

Key Features

- Broad sealing range on the inside film
- Good hot tack and very good seal integrity
- Very good moisture and light barrier
- Good oxygen barrier
- Excellent adhesion of aluminum to film
- Easy to convert
- Outstanding 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
- ✓ Household and Detergents
- ✓ Crisps and Snacks
- ✓ Pet Food
- ✓ Ice Cream

Uses

- ✓ HFFS Flexible Packaging
- ✓ Pre-made Bags - 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	61.1	m ² /kg	Internal Method
Unit Weight	16.4	g/m ²	Internal Method
Film Thickness	18	μ	Internal Method
Optical Density	2.3		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
Coefficient of Friction VBSR/VBSR			
	0.80		Internal Method
Water Vapor Transmission Rate 38°C, 90% RH			
	0.50	g/m ² /24 hr	Internal Method
Oxygen Transmission Rate 23°C, 0% RH			
	50	cm ³ /m ² /24 hr	Internal Method
Oxygen Transmission Rate (Wet) 23°C, 75% RH			
	50.0	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 outside

-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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