

Metallyte™ 18MM488

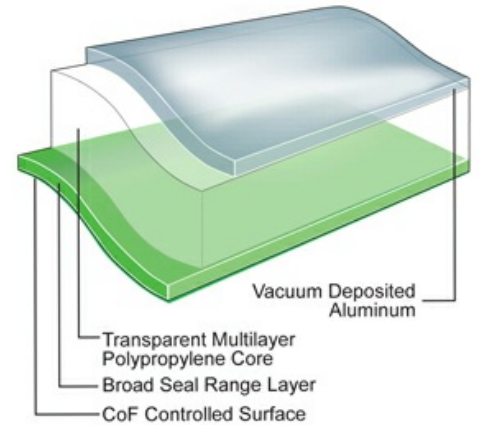
Oriented Polypropylene Film

Product Description

Metallized biaxially oriented polypropylene film, metallized on one side. MM488 is typically used in laminates as the inner web for VFFS and HFFS applications. Due to its slip controlled broad seal range surface, film offers excellent performance on all types of VFFS packaging machines. When laminated with standard coex, it can be lap sealed.

Key Features

- Excellent adhesion of aluminum to film
- Very good moisture barrier and light barrier
- Slip controlled sealing layer
- Good oxygen barrier
- Very good hot tack
- Broad seal range for good performance on VFFS and HFFS machines
- Easy to convert
- Brilliant metal appearance



General

Availability

- ✓ Africa & Middle East
- ✓ Europe

Features

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

Applications

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

Uses

- ✓ Box Overwrap Flexible Packaging
- ✓ HFFS Flexible Packaging
- ✓ Pre-made Bags - 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	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	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
Elastic Modulus			
MD	2000	Mpa	Internal Method
TD	3600	Mpa	Internal Method
Seal Strength (Otto Brügger) <i>140°C, 0.3 Mpa, 2 sec</i>			
	450	g/2.5 cm	Internal Method
Heat Seal Range <i>0.250 Mpa, 0.2 sec</i>			
	40	°C	Internal Method
Coefficient of Friction <i>Unmetallized Side</i>			
	0.40		Internal Method
Water Vapor Transmission Rate <i>38°C, 90% RH</i>			
	0.30	g/m ² /24 hr	Internal Method
Oxygen Transmission Rate <i>23°C, 0% RH</i>			
	50	cm ³ /m ² /24 hr	Internal Method
Dimensional Stability <i>135°C / 275°F, 7 min</i>			
MD	-6.5	%	Internal Method
TD	-4.5	%	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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