

Metallyte™ 38MW480

SI English

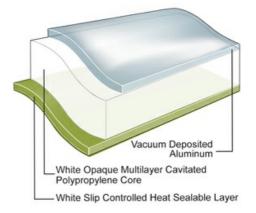
Oriented Polypropylene Film

Product Description

Metallyte 38MW480 is a super white opaque biaxially oriented polypropylene film, metallized on one side, heat sealable on the other side.

Key Features

- Outstanding opacity and light barrier
- Consistent and low COF
- Excellent metal appearance
- · Bright white background and high gloss on one side
- Very good moisture barrier
- Excellent adhesion of aluminum to film
- Extra high yield
- · Good seal integrity and high seal strength



General

Availability

Africa & Middle East

Asia Pacific

Europe

Features

In Lamination Lap Sealable

Moisture Barrier

Light Barrier

Applications

Biscuits/Cookie/Crackers

Bakery

Health and Beauty Care

Pet Food

Confectionery, Gum

Confectionery, Chocolate

Household and Detergents

lce Cream

Confectionery, Sugar

Frozen Food

Crisps and Snacks

Uses

Box Overwrap Flexible Packaging

VFFS Flexible Packaging

HFFS Flexible Packaging

Pre-made Bags - Flexible Packaging

Appearance

Metalized-White

Processing Method

Cold Seal Adhesive

Solvent Rotogravure Printing

Inner Web Adhesive Lamination

Surface Print Unsupported

Solvent Flexographic Printing

Revision date



Properties

Property	Typical Value	Unit	Test Based On
Yield	42.4	m²/kg	Internal Method
Unit Weight	23.6	g/m²	Internal Method
Film Thickness	38	μ	Internal Method
Gloss(45°)	75		Internal Method
Optical Density	2.3		Internal Method
Tensile Strength at Break			
200 mm/min pull rate, 120 mm jaw separation			
MD	100	Мра	Internal Method
TD	155	Мра	Internal Method
Elongation at Break			
200 mm/min pull rate, 120 mm jaw separation			
MD	140	%	Internal Method
TD	50	%	Internal Method
Elastic Modulus			
MD	1300	Мра	Internal Method
TD	2100	Мра	Internal Method
Seal Strength (Otto Brugger)			
130°C, 0.3 Mpa, 0.2 sec	400	g/2.5 cm	Internal Method
Heat Seal Range			
0.250 Mpa, 0.2 sec	30	°C	Internal Method
Coefficient of Friction			
Unmetallized Side	0.40		Internal Method
Water Vapor Transmission Rate			
38°C, 90% RH	0.50	g/m²/24 hr	Internal Method
Oxygen Transmission Rate			
23°C, 0% RH	80	cm ³ /m ² /24 hr	Internal Method
Oxygen Transmission Rate (Wet)			
23°C, 75% RH	80.0	cm ³ /m ² /24 hr	Internal Method
Dimensional Stability 135°C / 275°F, 7 min			
MD	-6.0	%	Internal Method
TD	-6.0	%	Internal Method
Whiteness Index	90		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: Available metal 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.
- 4. Optical density value represents only the metal layer on the film.

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

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