

Metallyte™ 28UBWES

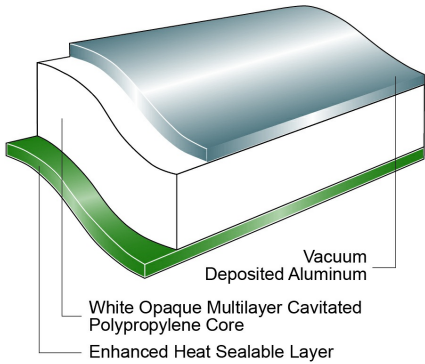
Oriented Polypropylene Film



Product Description

Metallyte™ UBWES is a multi-layer, cavitated, white OPP film with an enhanced sealant to allow sealing through contamination. This film has an exceptional barrier to gases, flavors, and moisture. It is metallized on one side with a proprietary sealant layer on the other. UBWES is lap sealable to other coextruded OPP films.

UBWES is used as the inner web for adhesive and extrusion laminations, where superior moisture and oxygen barriers are required. UBWES provides an excellent light barrier and is designed to provide strong, leak-free seals for flat pouches and has been designed specifically to replace foil and a sealant web in those applications.



Key Features

- Exceptional seal strength
- Outstanding opacity
- Outstanding moisture and oxygen barrier
- Excellent aroma and flavor barrier
- Excellent flex-crack resistance
- Excellent hot tack
- Improved barrier to Mineral Oils compared to non-barrier film⁽¹⁾
- Significant mineral oils contamination protection period of more than 2 years

General

Availability

- | | | |
|------------------------|-----------------|-----------------|
| ✓ Latin America | ✓ North America | ✓ South America |
| ✓ Africa & Middle East | ✓ Asia Pacific | ✓ Europe |

Features

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

Applications

- ✓ Dry Foods and Beverage Powders

Uses

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

Appearance

- ✓ Metallized - White

Processing Method

- | | | |
|---------------------------------|-------------------------------------|----------------------------------|
| ✓ Inner Web Adhesive Lamination | ✓ Solvent Flexographic Printing | ✓ Solvent Rotogravure Printing |
| ✓ Surface Print Unsupported | ✓ Water-based Flexographic Printing | ✓ Inner Web Extrusion Lamination |

Properties & Typical Values

Property	Typical Value	Unit	Test Based On
Yield	48.4	m ² /kg	Internal Method
Unit Weight	20.7	g/m ²	Internal Method
Film Thickness	28	µm	Internal Method
Optical Density	3.0		Internal Method
Tensile Strength at Break <i>510 mm/min pull rate, 50 mm jaw separation</i>			
MD	82.7	Mpa	Internal Method
TD	172	Mpa	Internal Method
Dimensional Stability 135°C / 275°F, 7 min			
MD	-5.0	%	Internal Method
TD	-3.0	%	Internal Method
Crimp Seal Strength <i>Untreated/Untreated</i> 127°C, 0.1 Mpa, 0.75 sec			
	1500	g/2.5 cm	Internal Method
<i>Untreated/Untreated</i> 99°C, 0.1 Mpa, 0.75 sec			
	690	g/2.5 cm	Internal Method
Minimum Sealing Temperature (Min 750g/25mm) <i>Untreated/Untreated</i> 25N/cm ² - 0.5 sec - Flat/Flat			
	85	°C	Internal Method
Heat Seal Range (RDM) <i>RDM – 750gr – single web – 25N/cm² – 0.5sec – flat/flat</i> Untreated Surface			
	65	°C	Internal Method
Crimp Seal (MST) Untreated/Untreated			
	79	°C	Internal Method
Water Vapor Transmission Rate 38°C, 90% RH			
	0.1	g/m ² /24 hr	Internal Method
Oxygen Transmission Rate 23°C, 0% RH			
	0.1	cm ³ /m ² /24 hr	Internal Method

TYPICAL PROPERTIES : these are not to be construed as specifications

Food Contact

Any further regulatory information on this product (i.e. Food Contact application, Presence/absence of substances, Reach, ...) are accessible on the below link: <https://www.jindalfilms.com/login-register-docmg/>

Legal Statement

This product is not intended for or supported for use in pharmaceutical or medical applications requiring compliance with EU or US Pharmacopeia.

Processing Statement

- In-line treatment of the metalized surface is mandatory for converting.
- Contact your Jindal Films Technical Service Representative for processing recommendations and guidelines.

Footnotes

1. (1) Please contact your sales representative to get quantitative data on film barrier properties to Mineral Oils (MOSH and MOAH).
2. Please contact your Sales Representative for complete country availability.

Revision date

- March 28, 2024

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