

# Metallyte™ 28UBWES

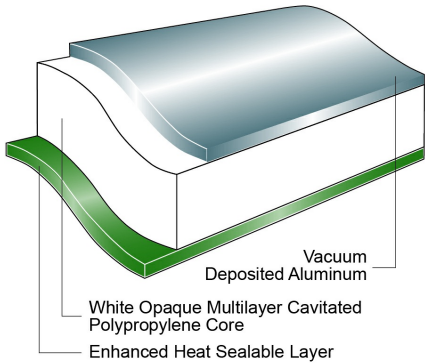
Oriented Polypropylene Film



## 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<sup>(1)</sup>
- 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	34000	in <sup>2</sup> /lb	Internal Method
Unit Weight	12.7	lb/ream	Internal Method
Film Thickness	1.15	mil	Internal Method
Optical Density	3.0		Internal Method
Tensile Strength at Break			
20 in/min pull rate, 2.0 in jaw separation			
MD	12000	psi	Internal Method
TD	25000	psi	Internal Method
Dimensional Stability			
135°C / 275°F, 7 min			
MD	-5.0	%	Internal Method
TD	-3.0	%	Internal Method
Crimp Seal Strength			
Untreated/Untreated			
260°F, 20 psi, 0.75 sec	1500	g/in	Internal Method
Untreated/Untreated			
210°F, 20 psi, 0.75 sec	700	g/in	Internal Method
Crimp Seal (MST)			
Untreated/Untreated	175	°F	Internal Method
Water Vapor Transmission Rate			
100°F, 90% RH	0.006	g/100 in <sup>2</sup> /24 hr	Internal Method
Oxygen Transmission Rate			
73°F, 0% RH	0.006	cm <sup>3</sup> /100 in <sup>2</sup> /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

© 2023 Jindal Films. Jindal Films, Jindal Films, the Jindal Films' logo, and other product or service names used herein are trademarks of Jindal Films, unless indicated otherwise. You may not upload, display, publish, license, post, point to, frame, transmit or distribute either this document or its information, whether in whole or in part, without Jindal Films' prior written authorization. To the extent Jindal Films provides prior written authorization, the user may use the document or its information only if the document is unaltered and complete, including all of its headers, footers, disclaimers and other information. Any data included herein may be based upon: analyses of representative samples and not the actual product shipped, typical values, or otherwise. The information in this document relates only to the named product or materials when not in combination with any other product or materials. We base the information on data believed to be reliable, but we do not represent, warrant, or otherwise guarantee the accuracy, reliability, or completeness of this information; nor do we warrant, expressly or impliedly, the merchantability, fitness for a particular purpose, freedom from patent infringement, or suitability of the products, materials or processes described. The user is solely responsible for all determinations regarding any use of material or product and any process in its territories of interest. We expressly disclaim liability for any loss, damage or injury directly or indirectly suffered or incurred as a result of, or related to, anyone using or relying on any of the information in this document. This document is not an endorsement of any non-Jindal Films' product or process, and we expressly disclaim any contrary implication. The terms "we," "our," "Jindal Films" and "Jindal" are each used for convenience, and may include Films Americas LLC, Jindal Films Americas LLC, Films Europe S.à.r.l., Jindal Films Virton SPRL, Jindal Films India Ltd., or any companies affiliated with them in the production and sale of film products. There are a number of such affiliated companies, some with names including "Jindal" or "Films" and some not. Neither these terms and conditions, nor anything else in this document, is intended to override or supersede the legal separateness of those affiliated companies and responsibility for local action and accountability remains with them.