

# Metallyte™ 28UBW-ES

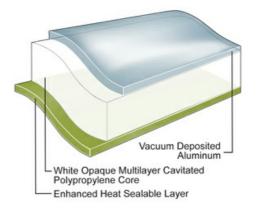
SI English

## **Oriented Polypropylene Film**

### **Product Description**

Metallyte 28UBW-ES 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. 28UBW-ES is lap sealable to other coextruded OPP films.

28UBW-ES is used as the inner web for adhesive and extrusion laminations, where superior moisture and oxygen barriers are required. 28UBW-ES provides an excellent light barrier and a brilliant foil appearance. It 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**

- Very low MST, broad seal range
- · Exceptional seal strength
- · Outstanding opacity
- · Outstanding moisture and oxygen barrier
- · Excellent aroma and flavor barrier
- Excellent flex-crack resistance
- Excellent hot tack

### General

### **Availability**

Latin America

Africa & Middle East

North America

Asia Pacific

South America

Europe

#### **Features**

Flavor & Aroma Barrier

Moisture Barrier

In Lamination Lap Sealable

Oxygen Barrier

Gas 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**

Metalized-White

### **Processing Method**

Inner Web Adhesive Lamination

Solvent Flexographic Printing

Solvent Rotogravure Printing

Surface Print Unsupported

Water-based Flexographic Printing

Inner Web Extrusion Lamination

#### **Revision date**



# **Properties**

Property	Typical Value	Unit	Test Based On
Yield	48.4	m²/kg	Internal Method
Unit Weight	20.7	g/m²	Internal Method
Film Thickness	28	μ	Internal Method
Optical Density	3.0		Internal Method
Tensile Strength at Break			
510 mm/min pull rate, 50 mm jaw separation			
MD	82.7	Мра	Internal Method
TD	172	Мра	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			
99°C, 0.1 Mpa, 0.75 sec	690	g/2.5 cm	Internal Method
Untreated/Untreated			
127°C, 0.1 Mpa, 0.75 sec	1500	g/2.5 cm	Internal Method
Crimp Seal MST (Minimum Seal Temperature)			
Untreated/Untreated	79	°C	Internal Method
Water Vapor Transmission Rate			
38°C, 90% RH	0.10	g/m²/24 hr	Internal Method
Oxygen Transmission Rate			
23°C, 0% RH	0.1	cm <sup>3</sup> /m <sup>2</sup> /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**

 In-Line treatment of the metallized side is required for success on all converting applications. 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. Sample dimensions and conditioning vary due to differences in equipment design.
- 3. 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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