## OPPalyte™ 278 WOS-2

Oriented Polypropylene Film

#### **Product Description**

OPPalyte WOS-2 is a one-side treated, one-side sealable, white opaque OPP film with a proprietary cavitated core. WOS-2 was developed to provide performance improvements over 278 WOS in terms of lower and more consistent COF, lower MST, and improved print performance. WOS-2 was developed and designed for frozen novelty applications. The stiffness, slip characteristics, and sealability of WOS-2 have been optimized to provide outstanding performance on multi-lane equipment.

# Treated Surface Non-sealable Layer White Opaque Multilayer Cavitated Prolypropylene Core Heat Sealable Laver

#### **Key Features**

- · Outstanding opacity
- · Robust machinability
- Heat seal range of approximately 115°F (63°C)
- Average seal strengths over 480 g/in (480 g/2.5 cm)
- Bright white appearance

### General Availability Latin America North America South America Features In Lamination Lap Sealable Light Barrier **Applications** Biscuits/Cookie/Crackers Bakery Dairy Products 🔽 Ice Cream Uses HFFS Flexible Packaging VFFS Flexible Packaging Pre-made Bags - Flexible Packaging **Appearance W**hite **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   | 39.5 m²/kg                  | Internal Method |
| Unit Weight                                   | 25.2 g/m²                   | Internal Method |
| Film Thickness                                | 42 μm                       | Internal Method |
| Gloss (45°)                                   |                             |                 |
| Treated Surface                               | 70                          | Internal Method |
| Opacity                                       | 85 %                        | Internal Method |
| Light Transmission                            | 24.0 %                      | Internal Method |
| Tensile Strength at Break                     |                             |                 |
| 510 mm/min pull rate, 50 mm jaw separation    |                             |                 |
| MD  | 78.6 Mpa                    | Internal Method |
| TD  | 123 Mpa                     | Internal Method |
| Dimensional Stability<br>135°C / 275°F, 7 min |                             |                 |
| MD  | -4.5 %                      | Internal Method |
| TD  | -4.0 %                      | Internal Method |
| Crimp Seal Strength                           |                             |                 |
| Untreated/Untreated                           |                             |                 |
| 99°C, 0.1 Mpa, 0.75 sec                       | 480 g/2.5 cm                | Internal Method |
| Crimp Seal (MST)                              |                             |                 |
| Untreated/Untreated                           | 86 °C                       | Internal Method |
| Coefficient of Friction                       |                             |                 |
| Treated/Treated                               | 0.36                        | Internal Method |
| Wettability                                   |                             |                 |
| Treated Surface                               | 0.80 receding $\cos \theta$ | Internal Method |
| Water Vapor Transmission Rate                 |                             |                 |
| 38°C, 90% RH                                  | 4.8 g/m²/24 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: <a href="https://www.jindalfilms.com/login-register-docmg/">https://www.jindalfilms.com/login-register-docmg/</a>

#### **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**

- WOS-2 contains a non-migratory slip package for excellent machinability and hot slip without compromising appearance or seals. Do not retreat.
- WOS-2 should be primed for extrusion laminations or when laminating with high-barrier PVdC to ensure consistent adhesion.
- WOS-2 may need to be primed when surface printing with water-based inks.
- WOS-2 is lap sealable to coextruded films.

#### **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.

#### Revision date

November 22, 2023

© 2023 Jindal Films. Jindal Films, the Jindal Films (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 is information, whether in whole or in part, without Jindal Films' provide 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 unable to the extent of the product of the product