F-WUF-M
METALLIZED OPAQUE FILM

F-WUF-M is a metallized white opaque BOPET film. Base polyester is one side Special Chemical Coated with the other side being Untreated or Corona Treated. The film has a white opaque surface giving it an aesthetic appeal similar to that of aluminum foil. It is available in optical densities ranging from 2.2 to 2.8; this wide range of optical densities gives the customer a diverse range of application options. The metallization is available on the Untreated surface (MU) giving a bond strength between the metal and the film of 100gm/25mm or on the Corona Treated surface (MT) giving a bond strength between the metal and the film of 130gm/25mm.

KEY FEATURES:
- Excellent aesthetic appearance
- Good stiffness

APPLICATION:
- Label application
- Lamination & Conversion
- Board Lamination
- Confectionery & Snacks

PROPERTY | TEST METHOD | UNIT | TYPICAL VALUES
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OPTICAL DENSITY*** (TOLERANCE: +/- 5%) (***Customer to specify the OD value as per their specification.) | Internal | Micron | 12

THICKNESS | Internal | (Gauge) | 48

YIELD | Internal | m² / kg | 57.47

SURFACE TENSION (min) # ★ (Special Chemical Coated surface) (Corona Treated surface) | ASTM D-2578 | dyne/cm | 48

COF (max) | ASTM D-1894 | - | 52

TENSILE STRENGTH AT BREAK (min) | ASTM D-882 | kg/cm² | 1700

ELONGATION AT BREAK (min) | ASTM D-882 | % | 110

LINEAR SHRINKAGE (max) (30 Minute at 105°C) | ASTM D-1204 | % | 1.5

MVTR (typical) (38°C & 90%RH) | ASTM F-1249 | g/m²/day | 1.0

OTR (typical) (23°C & 0%RH) | ASTM D-3985 | cc/m²/day | 1.1

# This dyne value is applicable only for NAFTA, SA, and Poland manufacturing plants.
★ The inherent surface tension of the untreated side of any PET film is a minimum of 42 dyne/cm.

STORAGE & HANDLING
FLEXMETPROTECT™ needs to be stored in a warehouse below 35°C (95°F) and should not be exposed to direct sunlight, bright light sources, or high humidity. If the material is stored in the recommended conditions, FLEXMETPROTECT™ is suitable for use within 180 days from the date of shipment.

FOOD CONTACT
FLEXMETPROTECT™ complies with EU and FDA regulations on plastic materials used for food grade application. Specific documents and SDS are available on request.

DISCLAIMER
It is the responsibility of our customer to determine that their use of our products is safe, lawful, and technically suitable in their intended applications. The technical data sheets are provided for discussion purposes only. The customer may not rely on the data provided for any manufacturing purpose. The values provided in the technical data sheet represent typical values based on the best of our knowledge as of the date when the data was compiled. The data is offered solely to provide possible suggestions for your own experimentation and not as a guarantee for the material supplied. The user is solely responsible for the end use of the product and needs to perform their own tests to confirm the product suitability/compatibility in all respects. Flex provides no warranty and accepts no liability for any loss or fitness of the product for any specific purpose based on the information contained in the technical data sheets. Flex reserves the right to change the technical data sheet at any time without prior notice.

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