



FILM SPECIFICATIONS

THICK WHITE + GLOSS BOPP — Rollstock Only

DESCRIPTION

This film is ideal for durable applications requiring oxygen/moisture barrier properties and puncture resistance.

White film will create a white package interior, and will also help yield vibrant colors in printed artwork.

Gloss finish has high shine, and minimal color distortion of printed artwork.

Evaluation and fitness-for-use is the sole responsibility of the customer.

STRUCTURE

Composite: 4.6mil 3-layer laminated film

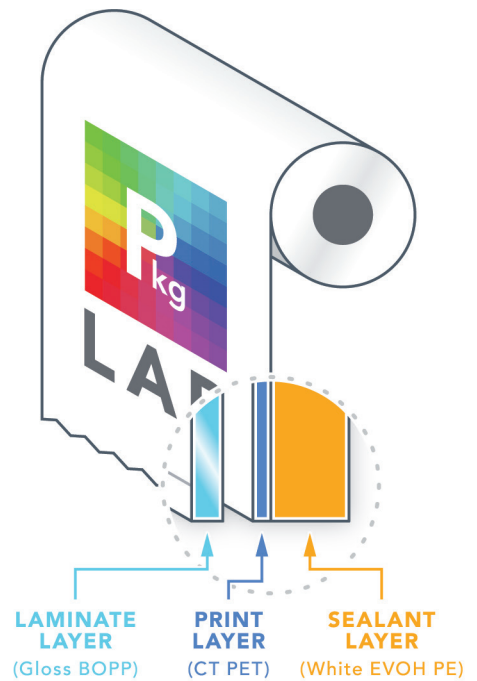
Laminate (Exterior) Layer: 1.0mil gloss BOPP (Biaxially-Oriented Polypropylene)

Print Surface Layer: 48ga CT PET (Corona-Treated PET)

Sealant (Interior) Layer: 3.0mil white EVOH PE (Ethylene-Vinyl Alcohol Copolymer/Polyethylene)

FEATURES

- Excellent puncture resistance with good oxygen/moisture barrier
- All materials comply with FDA direct food contact regulations (BOPP: 21 C.F.R. § 177.1520, PET: 21 C.F.R. § 177.1630, EVOH: 21 C.F.R. § 177.1360)
- PET is chemically stable and resistant to attack by oils, solvents, weak acids, and weak alkalis
- EVOH provides strong seal-to-self fusion with low activation temperature
- EVOH has slip additive for reduced friction on packaging equipment



TYPICAL PROPERTIES

| PROPERTY | TYPICAL VALUE | TESTING STANDARD(S) |
|--|---|--|
| Total Avg. Thickness (Composite, calculated) | 4.6 mil (≈ 117 microns) | Calculated (Laminate layer) ASTM D2103 (Print + sealant layers) |
| Thickness Tolerance | ±10 % | |
| Yield (Composite) | 6,166 in ² /lb | Calculated |
| COF (Coefficient of Friction) | ≤0.17 (Laminate/exterior surface) 0.20–0.35 (Sealant/interior surface) | ASTM D1894 |
| Haze (Laminate layer) | 64 % | ASTM D1003 |
| Gloss (Laminate layer, 60°) | 109 gloss units | ASTM D2457 |
| Seal/Application Temp. (Sealant layer) | 250–350 °F 120–180 °C | |
| Seal Strength (Sealant layer, self-to-self) | ≥9 lb/in | ASTM F88 |
| OTR (Oxygen Transmission Rate) | ≤0.06 cm ³ /100 in ² /24 hr | ASTM D3985 |
| WVTR (Water Vapor Transmission Rate) | ≤0.063 g/100 in ² /24 hr | ASTM F1249 |
| Film Shelf Life | 12 mo from delivery | |
| Storage Temperature Range | 50–80 °F 10–26 °C | |
| Storage Humidity Range | 30–70 % | |

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