FILM SPECIFICATIONS

MEDIUM WHITE + MATTE BOPP — Rollstock Only

DESCRIPTION

This film is ideal for economical applications requiring heat stability, and is processed easily by FFS equipment.

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

Matte finish has low shine, and colors in printed artwork may be slightly muted.

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

STRUCTURE
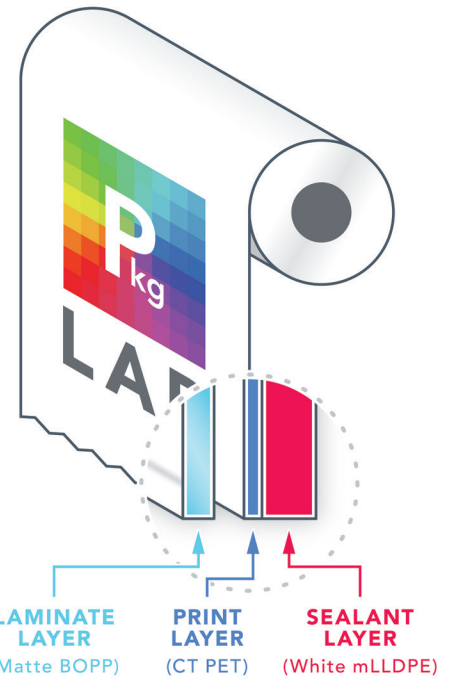
Composite: 3.4mil 3-layer laminated film

Laminate (Exterior) Layer: 1.3mil matte BOPP (Biaxially-Oriented Polypropylene)

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

Sealant (Interior) Layer: 1.5mil white mLLDPE (Metallocene Linear Low-Density Polyethylene)

FEATURES

- Good heat stability
- All materials comply with FDA direct food contact regulations
  (BOPP + mLLDPE: 21 C.F.R. § 177.1520, PET: 21 C.F.R. § 177.1630)
- PET is chemically stable and resistant to attack by oils, solvents, weak acids, and weak alkalis
- mLLDPE provides strong seal-to-self fusion with low activation temperature
- mLLDPE has slip additive for reduced friction on packaging equipment

LAMINATE LAYER (Matte BOPP) **PRINT LAYER** (CT PET) **SEALANT LAYER** (White mLLDPE)

TYPICAL PROPERTIES

PROPERTY	TYPICAL VALUE	TESTING STANDARD(S)
Total Avg. Thickness (Composite, calculated)	3.4 mil (≈ 86.5 microns)	GB/T 6672 (Laminate layer) ASTM D2103 (Print + sealant layers)
Thickness Tolerance	±10 %	
Yield (Composite)	9,007 in²/lb	Calculated
COF (Coefficient of Friction)	≤0.4 (Laminate/exterior surface)	ASTM D1894
	≤0.2 (Sealant/interior surface)	
Haze (Laminate layer)	≥70 %	ASTM D1003
Gloss (Laminate layer, 45°)	≤8 %	GB/T 8807
Seal/Application Temp. (Sealant layer)	250–350 °F 120–180 °C	
Seal Strength (Sealant layer, self-to-self)	≥7 lb/in	ASTM F88
OTR (Oxygen Transmission Rate)	≤7 cm³/100 in²/24 hr	ASTM D3985
WVTR (Water Vapor Transmission Rate)	≤0.6 g/100 in²/24 hr	ASTM F1249
Film Shelf Life	12 mo from delivery	
Storage Temperature Range	50–80 °F 10–26 °C	
Storage Humidity Range	30–70 %	