



FILM SPECIFICATIONS

THICK WHITE + GLOSS PET — Pouches 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: 4.8mil 3-layer laminated film

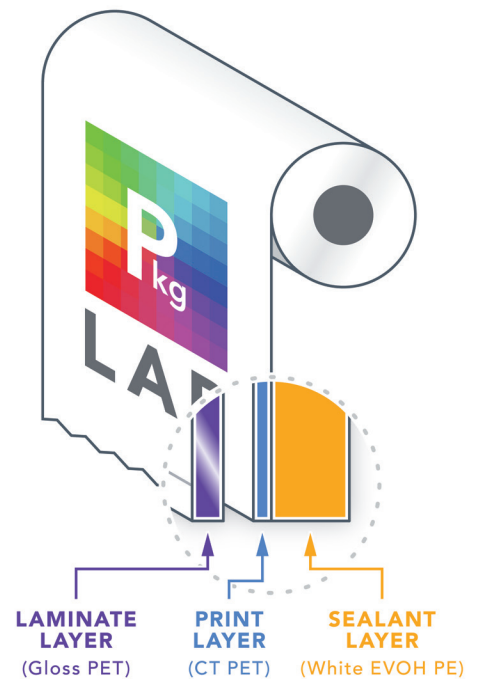
Laminate (Exterior) Layer: 1.2mil gloss PET (Polyethylene Terephthalate)

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 (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)	4.8 mil (≈ 122 microns)	GB/T 6672 (Laminate layer) ASTM D2103 (Print + sealant layers)
Thickness Tolerance	±10 %	
Yield (Composite)	5,698 in ² /lb	Calculated
COF (Coefficient of Friction)	≤0.5 (Laminate/exterior surface) 0.20–0.35 (Sealant/interior surface)	ASTM D1894
Haze (Laminate layer)	≤10 %	ASTM D1003
Gloss (Laminate layer, 45°)	≥70 %	GB/T 8807
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 %	

Thick White + Gloss PET Spec Sheet v3.0 — Jul 2024

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