



FILM SPECIFICATIONS

THIN METALLIZED + MATTE BOPP — Rollstock Only

DESCRIPTION

This film is ideal for economical applications requiring oxygen/moisture barrier properties and heat stability.

Metallized film will create a metallic silver package interior, and can also create metallic color effects in printed artwork.

Matte finish has low shine, and colors in printed artwork may be slightly muted. Matte metallized film will give metallic artwork a “fogged mirror”-like finish.

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

STRUCTURE

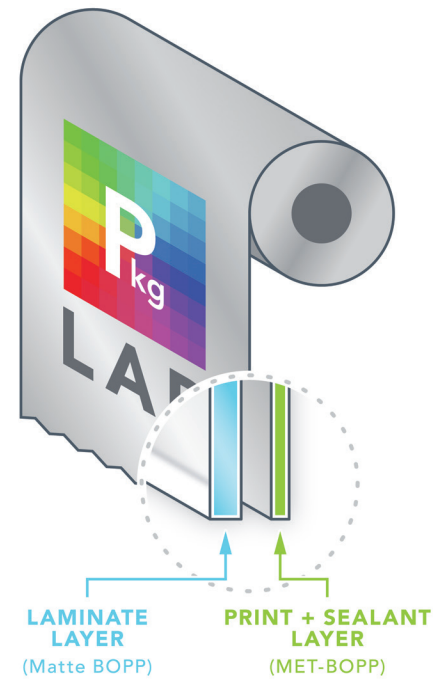
Composite: 2.7mil 2-layer laminated film

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

Print + Sealant (Interior) Layer: 140ga MET-BOPP (Metallized BOPP)

FEATURES

- Good oxygen/moisture barrier and seal strength
- All materials comply with FDA direct food contact regulations (BOPP: 21 C.F.R. § 177.1520)
- BOPP provides strong seal-to-self fusion with low activation temperature
- BOPP has slip additive for reduced friction on packaging equipment



TYPICAL PROPERTIES

PROPERTY	TYPICAL VALUE	TESTING STANDARD(S)
Total Avg. Thickness (Composite, calculated)	2.7 mil (≈ 68.5 microns)	GB/T 6672 (Laminate layer) Calculated (Print + sealant layer)
Thickness Tolerance	±10 %	
Yield (Composite)	12,883 in ² /lb	Calculated
COF (Coefficient of Friction)	≤0.4 (Laminate/exterior surface) ≤0.38 (Sealant/interior surface)	ASTM D1894
Haze (Laminate layer)	≥70 %	ASTM D1003
Gloss (Laminate layer, 45°)	≤8 %	GB/T 8807
Seal/Application Temp. (Print + sealant layer)	210–230 °F 100–110 °C	
Seal Strength (Print + sealant layer, self-to-self)	≥1.008 lb/in	
OTR (Oxygen Transmission Rate)	≤4.2 cm ³ /100 in ² /24 hr	ASTM D3985
WVTR (Water Vapor Transmission Rate)	≤0.038 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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