



FILM SPECIFICATIONS

THIN METALLIZED + GLOSS BOPP — Rollstock Only

DESCRIPTION

This film is ideal for snack packs and other vertical FFS applications. It processes easily and has a durable seal for transport.

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

Gloss finish has high shine, and minimal color distortion of printed artwork. Gloss metallized film will give metallic artwork a “polished metal”-like finish.

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

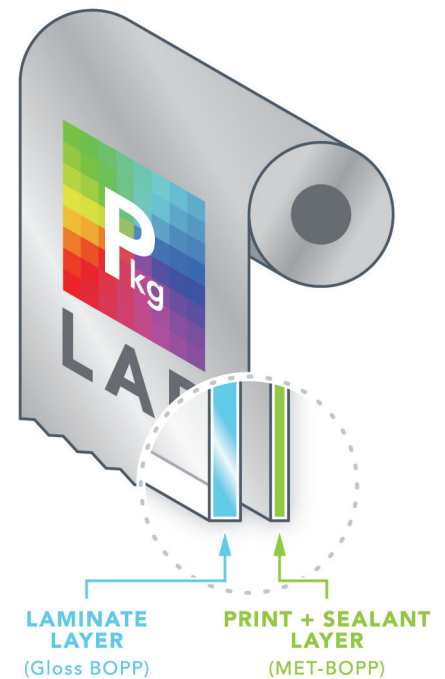
STRUCTURE

Composite: 1.7mil 2-layer laminated film

- Laminate (Exterior) Layer: 1.0mil gloss BOPP (Biaxially-Oriented Polypropylene)
- Print + Sealant (Interior) Layer: 70ga 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)	1.7 mil (≈ 43 microns)	Calculated (Laminate layer) Calculated (Print + sealant layer)
Thickness Tolerance	±10 %	
Yield (Composite)	18,295 in ² /lb	Calculated
COF (Coefficient of Friction)	≤0.17 (Laminate/exterior surface) ≤0.4 (Sealant/interior surface)	ASTM D1894
Haze (Laminate layer)	64 %	ASTM D1003
Gloss (Laminate layer, 45°)	109 gloss units	ASTM D2457
Seal/Application Temp. (Print + sealant layer)	200–285 °F 95–140 °C	
Seal Strength (Print + sealant layer, self-to-self)	≥0.93 lb/in	
OTR (Oxygen Transmission Rate)	≤1.93 cm ³ /100 in ² /24 hr	ASTM D3985
WVTR (Water Vapor Transmission Rate)	≤0.02 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 %	

Thin Metallized + Gloss BOPP Spec Sheet v3.4 — Jul 2024

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