

# FILM SPECIFICATIONS

THIN CLEAR + 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.

Clear film can create transparent product windows and/or translucent color effects in printed artwork.

Gloss finish has high shine, and minimal color distortion of printed artwork. Gloss clear film will give product windows a clear view inside.

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

STRUCTURE

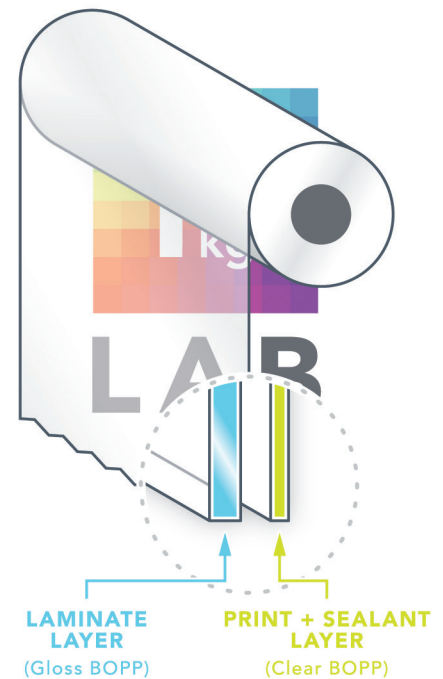
Composite: 2.4mil 2-layer laminated film

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

 Print + Sealant (Interior) Layer: 140ga clear BOPP

FEATURES

- High clarity with good 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)	2.4 mil (≈ 61 microns)	Calculated (Laminate layer) Calculated (Print + sealant layer)
Thickness Tolerance	±10 %	
Yield (Composite)	13,183 in <sup>2</sup> /lb	Calculated
COF (Coefficient of Friction)	≤0.17 (Laminate/exterior surface) ≤0.28 (Sealant/interior surface)	ASTM D1894
Haze (Laminate layer)	64 %	ASTM D1003
Gloss (Laminate layer, 60°)	109 gloss units	ASTM D2457
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)	≤90 cm <sup>3</sup> /100 in <sup>2</sup> /24hr	ASTM D3985
WVTR (Water Vapor Transmission Rate)	≤0.25 g/100 in <sup>2</sup> /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 Clear + Gloss BOPP Spec Sheet v3.0 — Jul 2024

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