

# FILM SPECIFICATIONS

THIN CLEAR + MATTE 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.

Matte finish has low shine, and colors in printed artwork may be slightly muted. Matte clear film will give product windows a “frosted glass”-like effect.

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

STRUCTURE

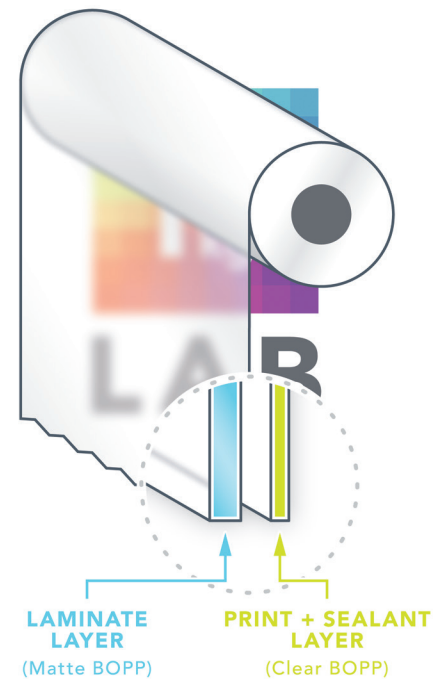
Composite: 2.7mil 2-layer laminated film

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

 Print + Sealant (Interior) Layer: 140ga 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)	2.7 mil (≈ 68.5 microns)	GB/T 6672 (Laminate layer) Calculated (Print + sealant layer)
Thickness Tolerance	±10 %	
Yield (Composite)	13,025 in <sup>2</sup> /lb	Calculated
COF (Coefficient of Friction)	≤0.4 (Laminate/exterior surface) ≤0.28 (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)	≤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 %	