

# 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.**

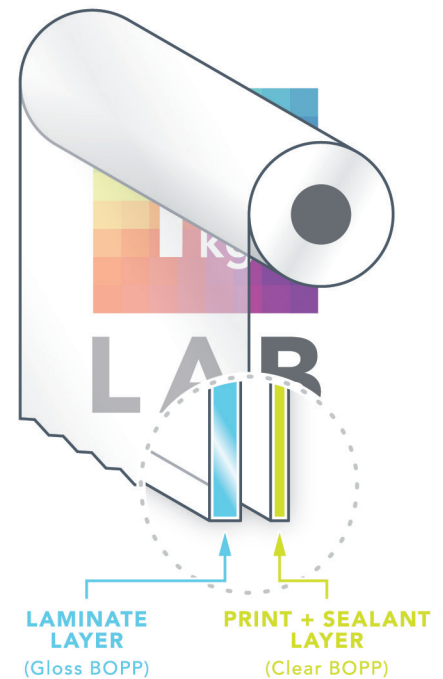
STRUCTURE

Composite: 1.7mil 2-layer laminated film

- Laminate (Exterior) Layer: 1.0mil gloss BOPP (Biaxially-Oriented Polypropylene)
- Print + Sealant (Interior) Layer: 70ga 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)	1.7 mil (≈ 43 microns)	Calculated (Laminate layer) Calculated (Print + sealant layer)
Thickness Tolerance	±10 %	
Yield (Composite)	18,723 in <sup>2</sup> /lb	Calculated
COF (Coefficient of Friction)	≤0.17 (Laminate/exterior surface) ≤0.25 (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)	200–285 °F 95–140 °C	
Seal Strength (Print + sealant layer, self-to-self)	≥1.1 lb/in	
OTR (Oxygen Transmission Rate)	N/A	
WVTR (Water Vapor Transmission Rate)	≤0.49 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

The information provided here is believed to be correct to the best of our knowledge. This information is provided only as a guide, and does not express or imply any guarantees or warranty. It is your responsibility to evaluate the suitability of this material for your intended use prior to using this product. The Packaging Lab assumes no responsibility for the results of use of the products and processes described here. The Packaging Lab reserves the right to modify product properties or composition at any time without notice.