



# FILM SPECIFICATIONS

THICK CLEAR + GLOSS — Pouches & Rollstock




DESCRIPTION

This film is ideal for durable applications requiring oxygen/moisture barrier properties and puncture resistance. 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.**

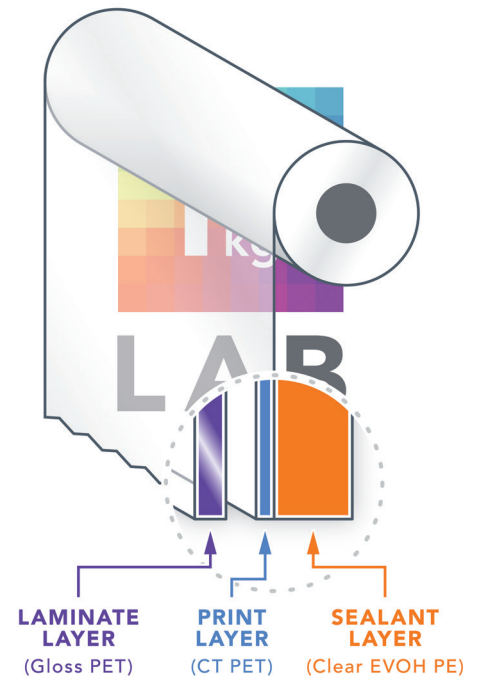
STRUCTURE

Composite: 4.8mil 3-layer laminated film

-  Laminate (Exterior) Layer: 1.2mil gloss PET (Polyethylene Terephthalate)
-  Print Surface Layer: 48ga CT PET (Corona-Treated PET)
-  Sealant (Interior) Layer: 3.0mil clear EVOH PE (Ethylene-Vinyl Alcohol Copolymer/Polyethylene)

FEATURES

- Excellent puncture resistance with good oxygen/moisture barrier
- All materials comply with FDA direct food contact regulations  
(PET: 21 C.F.R. § 177.1630, EVOH: 21 C.F.R. § 177.1360)
- PET is chemically stable and resistant to attack by oils, solvents, weak acids, and weak alkalis
- EVOH provides strong seal-to-self fusion with low activation temperature
- EVOH has slip additive for reduced friction on packaging equipment



TYPICAL PROPERTIES

PROPERTY	TYPICAL VALUE	TESTING STANDARD(S)
Total Avg. Thickness (Composite, calculated)	4.8 mil (≈ 121.9 microns)	GB/T 6672 (Laminate layer) ASTM F2251 (Print + sealant layers)
Thickness Tolerance	±10 %	
Yield (Composite)	5,840 in <sup>2</sup> /lb	
COF (Coefficient of Friction)	≤0.5 (Laminate/exterior surface) 0.20–0.35 (Sealant/interior surface)	ASTM D1894
Haze (Laminate layer)	≤10 %	ASTM D1003
Gloss (Laminate layer, 45°)	≥70 %	GB/T 8807
Seal/Application Temp. (Sealant layer)	250–350 °F 120–180 °C	
Seal Strength (Sealant layer, self-to-self)	≥9 lb/in	ASTM F88
OTR (Oxygen Transmission Rate)	≤0.06 cm <sup>3</sup> /100 in <sup>2</sup> /24 hr	ASTM D3985
WVTR (Water Vapor Transmission Rate)	≤0.063 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 %	

Thick Clear + Gloss Spc Sheet v3.3 — Mar 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.