



# FILM SPECIFICATIONS

## THICK CLEAR + GLOSS PET — Pouches Only

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.

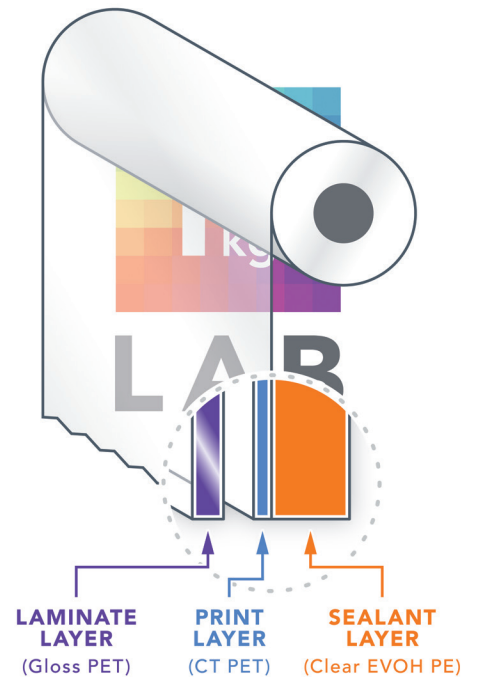
**Evaluation and fitness-for-use is the sole responsibility of the customer.**

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 (≈ 122 microns)  | GB/T 6672 (Laminate layer)<br>ASTM D2103 (Print + sealant layers) |
| Thickness Tolerance                          | ±10 %  |   |
| Yield (Composite)                            | 5,698 in <sup>2</sup> /lb  | Calculated  |
| COF (Coefficient of Friction)                | ≤0.5 (Laminate/exterior surface)<br>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<br>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<br>10–26 °C   |   |
| Storage Humidity Range                       | 30–70 %  |   |