THE PACKAGING LAB
CUSTOM PACKAGING MADE SIMPLE

FILM SPECIFICATIONS

MEDIUM GAUGE CLEAR MATTE — Rollstock Only

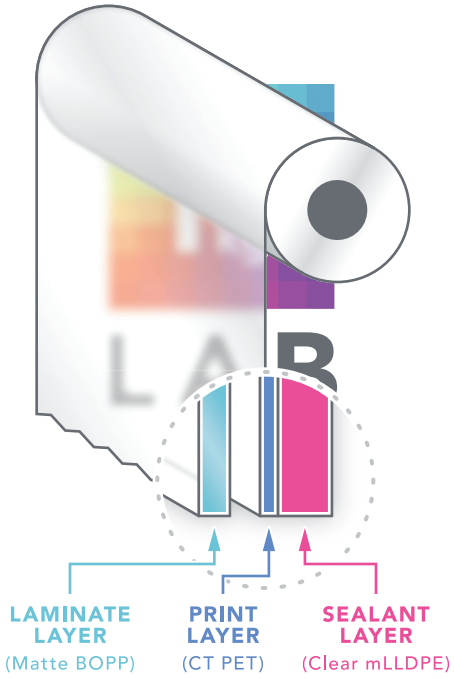
DESCRIPTION

This film is ideal for economical applications requiring heat stability, and is processed easily by FFS equipment.

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: 3.4mil 3-layer laminated film

- Laminate (Exterior) Layer: 1.3mil matte BOPP (Biaxially-Oriented Polypropylene)
- Print Surface Layer: 48ga CT PET (Corona-Treated Polyethylene Terephthalate)
- Sealant (Interior) Layer: 1.5mil clear mLLDPE (Metallocene Linear Low-Density Polyethylene)

FEATURES

- Good heat stability
- All materials comply with FDA direct food contact regulations (BOPP + mLLDPE: 21 C.F.R. § 177.1520, PET: 21 C.F.R. § 177.1630)
- PET is chemically stable and resistant to attack by oils, solvents, weak acids, and weak alkalis
- mLLDPE provides strong seal-to-self fusion with low activation temperature
- mLLDPE has slip additive for reduced friction on packaging equipment

TYPICAL PROPERTIES

PROPERTY	TYPICAL VALUE	TESTING STANDARD(S)
Total Average Thickness (Composite)	3.4 mil	GB/T 6672 (Laminate layer) ASTM D2103 (Print + sealant layers)
Thickness Tolerance	±10 %	
Yield (Composite)	9,007 in^2/lb	
COF (Coefficient of Friction)	≤0.4 (Laminate/exterior surface) ≤0.2 (Sealant/interior surface)	ASTM D1894
Haze (Laminate layer)	≥70 %	ASTM D1003
Gloss (45°, laminate layer)	≤8 %	GB/T 8807
Seal/Application Temperature (Sealant layer)	250–350 °F 120–180 °C	
Seal Strength (Self-to-self, sealant layer)	≥7 lb/in	ASTM F88
OTR (Oxygen Transmission Rate)	≤7 $cm^3/100\ in^2/24$ hr	ASTM D3985
WVTR (Water Vapor Transmission Rate)	≤0.6 $g/100\ in^2/24$ hr	ASTM F1249
Film Shelf Life	12 mo from delivery	
Storage Temperature Range	50–80 °F 10–26 °C	
Storage Humidity Range	30–70 %	