

METALLIZED + MATTE BOPP

Film Specifications - Pouches & Rollstock

Metallized matte film provides strong oxygen/moisture barriers, puncture resistance, and high shine with minimal color distortion. It creates a metallic silver interior and polished metal-like effects in printed artwork.

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

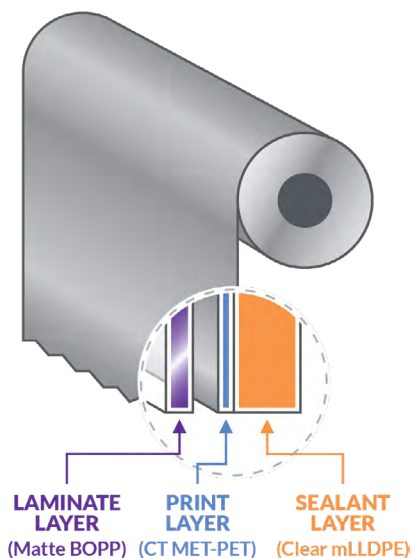
Structure

Composite: 4.9mil 3-layer laminated film

- Laminate (exterior) layer: 1.3mil matte BOPP (biaxially-oriented polypropylene)
- Print surface layer: 48ga CT MET-PET (corona-treated metallized polyethylene terephthalate)
- Sealant (interior) layer: 3.0mil clear mLLDPE (metallocene linear low-density polyethylene)

Features

- Excellent puncture resistance with good oxygen/moisture barrier
- All materials comply with FDA direct food contact regulations (BOPP + mLLDPE: 21 C.F.R. § 177.1520, PET: 21 C.F.R. § 177.1630)
- MET-PET is chemically stable and resistant to 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



PROPERTY	TYPICAL VALUE	TESTING STANDARD(S)
Total avg. thickness (composite, calculated)	4.9mil (≈ 124.5 microns)	GB/T 6672 (laminate layer) ASTM D2103 (print + sealant layers)
Thickness tolerance	±10 %	
Yield (composite)	6,291 in²/lb	Calculated
COF (coefficient of friction)	≤0.4 (laminate/exterior surface) 0.20–0.35 (sealant/interior surface)	ASTM D1894
Haze (laminate layer)	≥70 %	ASTM D1003
Gloss (laminate layer, 45°)	≤8 %	GB/T 8807
Seal/application temp. (sealant layer)	250–350 °F / 120–180 °C	
Seal strength (sealant layer, self-to-self)	≥7 lb/in	ASTM F88
OTR (oxygen transmission rate)	≤0.03 cm ³ /100 in ² /24 hr	ASTM D3985
WVTR (water vapor transmission rate)	≤0.13 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 %	

*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 Pouch House assumes no responsibility for the results of use of the products and processes described here and reserves the right to modify product properties or composition at any time without notice.