



FILM SPECIFICATIONS

THICK METALLIZED + GLOSS BOPP — Rollstock Only

DESCRIPTION

This film is ideal for durable applications requiring oxygen/moisture barrier properties and puncture resistance. Metallized film will create a metallic silver package interior, and can also create metallic color effects in printed artwork. Gloss finish has high shine, and minimal color distortion of printed artwork. Gloss metallized film will give metallic artwork a “polished metal”-like finish.

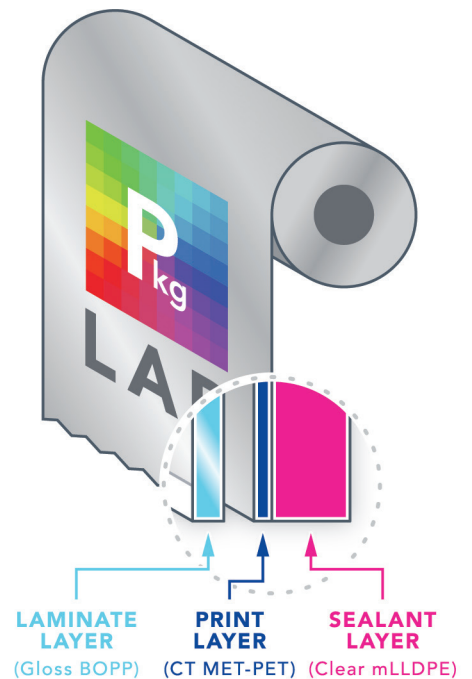
Evaluation and fitness-for-use is the sole responsibility of the customer.

STRUCTURE

- Composite: 4.6mil 3-layer laminated film
- Laminate (Exterior) Layer: 1.0mil gloss BOPP (Biaxially-Oriented Polypropylene)
- Print Surface Layer: 48ga CT MET-PET (Corona-Treated Metallized PET)
- 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 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 Avg. Thickness (Composite, calculated)	4.6 mil (≈ 117 microns)	Calculated (Laminate layer) ASTM F2251 (Print + sealant layers)
Thickness Tolerance	±10 %	
Yield (Composite)	6,328 in ² /lb	Calculated
COF (Coefficient of Friction)	≤0.17 (Laminate/exterior surface) 0.20–0.35 (Sealant/interior surface)	ASTM D1894
Haze (Laminate layer)	64 %	ASTM D1003
Gloss (Laminate layer, 60°)	109 gloss units	ASTM D2457
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 %	

Thick Clear + Gloss BOPP Spec Sheet v3.4 — Jul 2024

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