MATERIALS AND FINISHES

Metallic Gloss PET

3-layer laminate

4.8 mil | METALLIC | GLOSS

Three layers, three distinct jobs

01 EXTERIOR LAYER
1.2 mil gloss PET

02 PRINT LAYER
48 ga CT MET-PET

03 INTERIOR SEALANT
3.0 mil clear mLLDPE

Why choose it

An opaque metallic material that helps resist punctures and slow oxygen and moisture transmission. The silver-toned base hides your product and creates reflective metallic effects in selected artwork areas.

What it looks like

Gloss creates a bright, reflective surface. Selected artwork areas can show a polished metallic effect.

What this material brings to your pouch

PROTECT

Puncture resistance

Helps resist punctures while limiting oxygen and moisture transmission.

RESIST

Chemical resistance

The metallic PET print layer helps resist exposure to oils, solvents, weak acids, and weak alkalis.

SEAL

Reliable sealant

The mLLDPE sealant is designed to form strong seals across the stated application-temperature range.

HANDLE

Smooth handling

A slip additive in the interior sealant helps the pouch move more smoothly during filling and handling.

METALLIC GLOSS PET

Performance at a glance

Values describe the complete 3-layer material unless a specific layer is named.

TOTAL THICKNESS	SEAL STRENGTH	OXYGEN RATE	MOISTURE RATE
4.8 mil	**≥7 lb/in**	**≤0.03 cm³/100 in²/24 hr**	**≤0.13 g/100 in²/24 hr**
about 122 microns	self-to-self	ASTM D3985	ASTM F1249

Technical properties

PROPERTY	TYPICAL VALUE	TEST STANDARD
Thickness tolerance	±10%	—
Yield · composite	5,836 in²/lb	Calculated
Coefficient of friction	≤0.5 exterior 0.20–0.35 interior	ASTM D1894
Haze · exterior layer	≤10%	ASTM D1003
Gloss · exterior, 45°	≥70%	GB/T 8807
Seal / application temperature	250–350 °F 120–180 °C	—
Material shelf life	12 months from delivery	—
Storage temperature	50–80 °F 10–26 °C	—
Storage humidity	30–70%	—

HOW TO READ THE BARRIER VALUES

Lower OTR and WVTR values mean less oxygen or water vapor passes through the material under the stated test conditions.

CONFIRM BEFORE PRODUCTION

Test the finished pouch with your product, filling and sealing process, equipment, storage, target shelf life, and shipping conditions.

TECHNICAL BASIS

Thickness testing follows GB/T 6672 (outer); ASTM F2251 (print + sealant). Food-contact references for the named layers: PET: 21 C.F.R. § 177.1630 · mLLDPE: 21 C.F.R. § 177.1520.

These specifications are provided as a guide, not a guarantee or warranty. Test the finished pouch with your product and process before use. Values may change; confirm current requirements before production.