

CHOOSE THE LOOK. THEN CHECK THE NUMBERS.

Find the right materials and finishes for your pouch

Start with the look you want, then compare the details that matter for your product, filling and sealing process, storage, and shipping.

1

Choose the base

White, clear, or metallic

2

Choose the finish

Matte or gloss

3

Test your pouch

Use your actual product



White Matte BOPP

Opaque white base with a smooth, low-sheen finish.

THICKNESS	SEAL	OTR	WVTR
4.9 mil	≥9 lb/in	≤0.06	≤0.063



White Gloss PET

Opaque white base with a bright, reflective finish.

THICKNESS	SEAL	OTR	WVTR
4.8 mil	≥9 lb/in	≤0.06	≤0.063



Clear Matte BOPP

A soft, frosted view of your product.

THICKNESS	SEAL	OTR	WVTR
4.9 mil	≥9 lb/in	≤0.06	≤0.063



Clear Gloss PET

A clear view of your product with reflective shine.

THICKNESS	SEAL	OTR	WVTR
4.8 mil	≥9 lb/in	≤0.06	≤0.063



Metallic Matte BOPP

A muted metallic look with reduced glare.

THICKNESS	SEAL	OTR	WVTR
4.9 mil	≥7 lb/in	≤0.03	≤0.13



Metallic Gloss PET

A bright metallic look with a reflective finish.

THICKNESS	SEAL	OTR	WVTR
4.8 mil	≥7 lb/in	≤0.03	≤0.13

SIDE-BY-SIDE TECHNICAL COMPARISON

Compare all six options

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

DETAIL	White Matte BOPP	White Gloss PET	Clear Matte BOPP	Clear Gloss PET	Metallic Matte BOPP	Metallic Gloss PET
Look	Opaque white base with a smooth, low-sheen finish.	Opaque white base with a bright, reflective finish.	A soft, frosted view of your product.	A clear view of your product with reflective shine.	A muted metallic look with reduced glare.	A bright metallic look with a reflective finish.
Three film layers	1.3 mil matte BOPP 48 ga CT PET 3.0 mil white EVOH PE	1.2 mil gloss PET 48 ga CT PET 3.0 mil white EVOH PE	1.3 mil matte BOPP 48 ga CT PET 3.0 mil clear EVOH PE	1.2 mil gloss PET 48 ga CT PET 3.0 mil clear EVOH PE	1.3 mil matte BOPP 48 ga CT MET-PET 3.0 mil clear mLLDPE	1.2 mil gloss PET 48 ga CT MET-PET 3.0 mil clear mLLDPE
Total thickness	4.9 mil about 124.5 microns	4.8 mil about 122 microns	4.9 mil about 124.5 microns	4.8 mil about 122 microns	4.9 mil about 124.5 microns	4.8 mil about 122 microns
Seal strength	≥9 lb/in	≥9 lb/in	≥9 lb/in	≥9 lb/in	≥7 lb/in	≥7 lb/in
OTR	≤0.06 cm³/100 in²/24 hr	≤0.06 cm³/100 in²/24 hr	≤0.06 cm³/100 in²/24 hr	≤0.06 cm³/100 in²/24 hr	≤0.03 cm³/100 in²/24 hr	≤0.03 cm³/100 in²/24 hr
WVTR	≤0.063 g/100 in²/24 hr	≤0.063 g/100 in²/24 hr	≤0.063 g/100 in²/24 hr	≤0.063 g/100 in²/24 hr	≤0.13 g/100 in²/24 hr	≤0.13 g/100 in²/24 hr
Exterior COF	≤0.4	≤0.5	≤0.4	≤0.5	≤0.4	≤0.5
Haze / gloss	Haze ≥70% Gloss ≤8%	Haze ≤10% Gloss ≥70%	Haze ≥70% Gloss ≤8%	Haze ≤10% Gloss ≥70%	Haze ≥70% Gloss ≤8%	Haze ≤10% Gloss ≥70%
Composite yield	6,131 in²/lb	5,698 in²/lb	6,131 in²/lb	5,698 in²/lb	6,291 in²/lb	5,836 in²/lb

WHAT CHANGES BETWEEN WHITE, CLEAR, AND METALLIC

White and clear options use an EVOH PE interior sealant and share the same oxygen, moisture, and seal-strength values. Metallic options use a metallic PET print layer and a clear mLLDPE interior sealant, which changes those values.

CONFIRM BEFORE PRODUCTION

Test the finished pouch with your actual product, filling and sealing process, equipment, storage, target shelf life, and shipping conditions. These values cannot confirm whether a finished pouch is right for your product.

Test methods Seal strength ASTM F88 | OTR ASTM D3985 | WVTR ASTM F1249 | COF ASTM D1894 | Haze ASTM D1003 | Gloss GB/T 8807

Use this guide to compare current CPP specifications. It is not a guarantee, warranty, or universal suitability claim. Values may change; confirm current requirements before production.