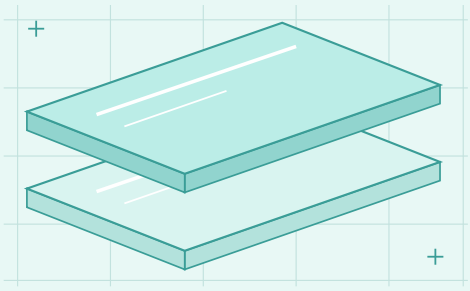
ROLLSTOCK FILM

Thin Clear + Gloss BOPP

Biaxially oriented polypropylene



TWO-LAYER LAMINATE

01 MATERIAL OVERVIEW

Two-layer film for snack packs and vertical form-fill-seal applications. Gloss finish supports clear product windows.

02 FILM CONSTRUCTION

01	**Outer laminate**	1.0 mil gloss BOPP
02	**Print + sealant**	140 ga clear BOPP

03 TYPICAL PROPERTIES

Reference values

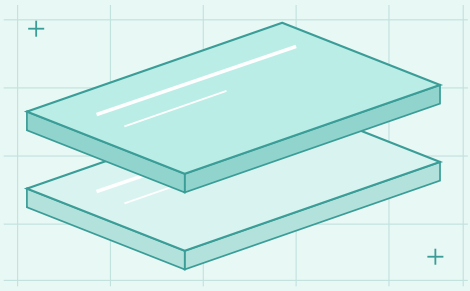
PROPERTY	REFERENCE VALUE	TEST METHOD
Total film thickness	**2.4 mil (≈61 µm)**	Calculated
Thickness tolerance	**±10%**	-
Film yield	**13,183 in²/lb**	Calculated
Coefficient of friction (COF)	**≤0.17 outer / ≤0.28 inner**	ASTM D1894
Outer layer haze	**64%**	ASTM D1003
Outer layer gloss at 60°	**109 gloss units**	ASTM D2457
Seal temperature	**100-110 °C / 210-230 °F**	-
Seal strength, self-to-self	**≥1.008 lb/in**	-
Oxygen transmission (OTR)	**≤90 cm³/100 in²/24 h**	ASTM D3985
Water vapor transmission (WVTR)	**≤0.25 g/100 in²/24 h**	ASTM F1249
Film shelf life	**12 months from delivery**	-
Storage temperature	**10-26 °C / 50-80 °F**	-
Storage relative humidity	**30-70%**	-

Reference values - subject to MewePak technical approval.

ROLLSTOCK FILM

Thin Metallized + Gloss BOPP

Biaxially oriented polypropylene



TWO-LAYER LAMINATE

01 MATERIAL OVERVIEW

Two-layer film for snack packs and vertical form-fill-seal applications. Gloss surface with a silver interior and metallic artwork effects.

02 FILM CONSTRUCTION

01	**Outer laminate**	1.0 mil gloss BOPP
02	**Print + sealant**	140 ga MET-BOPP

03 TYPICAL PROPERTIES

Reference values

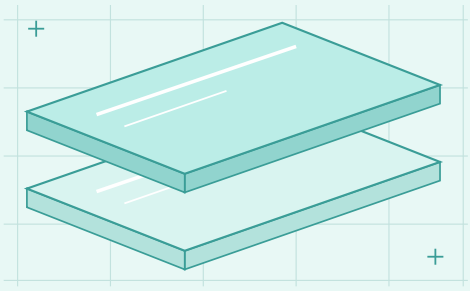
PROPERTY	REFERENCE VALUE	TEST METHOD
Total film thickness	**2.4 mil (≈61 µm)**	Calculated
Thickness tolerance	**±10%**	-
Film yield	**13,037 in²/lb**	Calculated
Coefficient of friction (COF)	**≤0.17 outer / ≤0.38 inner**	ASTM D1894
Outer layer haze	**64%**	ASTM D1003
Outer layer gloss at 45°	**109 gloss units**	ASTM D2457
Seal temperature	**100-110 °C / 210-230 °F**	-
Seal strength, self-to-self	**≥1.008 lb/in**	-
Oxygen transmission (OTR)	**≤4.2 cm³/100 in²/24 h**	ASTM D3985
Water vapor transmission (WVTR)	**≤0.038 g/100 in²/24 h**	ASTM F1249
Film shelf life	**12 months from delivery**	-
Storage temperature	**10-26 °C / 50-80 °F**	-
Storage relative humidity	**30-70%**	-

Reference values - subject to MewePak technical approval.

ROLLSTOCK FILM

Thin Clear + Matte BOPP

Biaxially oriented polypropylene



TWO-LAYER LAMINATE

01 MATERIAL OVERVIEW

Two-layer film for snack packs and vertical form-fill-seal applications. Matte finish creates a frosted window appearance.

02 FILM CONSTRUCTION

01	**Outer laminate**	1.3 mil matte BOPP
02	**Print + sealant**	140 ga clear BOPP

03 TYPICAL PROPERTIES

Reference values

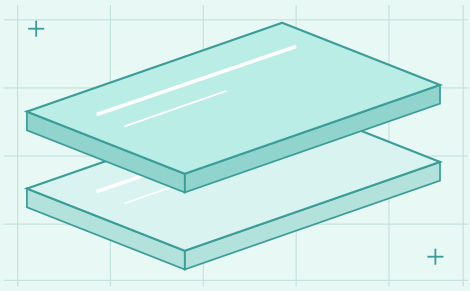
PROPERTY	REFERENCE VALUE	TEST METHOD
Total film thickness	**2.7 mil (≈68.5 µm)**	Calculated
Thickness tolerance	**±10%**	-
Film yield	**13,025 in²/lb**	Calculated
Coefficient of friction (COF)	**≤0.4 outer / ≤0.28 inner**	ASTM D1894
Outer layer haze	**≥70%**	ASTM D1003
Outer layer gloss at 45°	**≤8%**	GB/T 8807
Seal temperature	**100-110 °C / 210-230 °F**	-
Seal strength, self-to-self	**≥1.008 lb/in**	-
Oxygen transmission (OTR)	**≤90 cm³/100 in²/24 h**	ASTM D3985
Water vapor transmission (WVTR)	**≤0.25 g/100 in²/24 h**	ASTM F1249
Film shelf life	**12 months from delivery**	-
Storage temperature	**10-26 °C / 50-80 °F**	-
Storage relative humidity	**30-70%**	-

Reference values - subject to MewePak technical approval.

ROLLSTOCK FILM

Thin Metallized + Matte BOPP

Biaxially oriented polypropylene



TWO-LAYER LAMINATE

01 MATERIAL OVERVIEW

Two-layer film for economical applications requiring heat stability and oxygen/moisture protection. Low-shine surface with a silver interior and muted metallic effects.

02 FILM CONSTRUCTION

01	**Outer laminate**	1.3 mil matte BOPP
02	**Print + sealant**	140 ga MET-BOPP

03 TYPICAL PROPERTIES

Reference values

PROPERTY	REFERENCE VALUE	TEST METHOD
Total film thickness	**2.7 mil (≈68.5 µm)**	Calculated
Thickness tolerance	**±10%**	-
Film yield	**12,883 in²/lb**	Calculated
Coefficient of friction (COF)	**≤0.4 outer / ≤0.38 inner**	ASTM D1894
Outer layer haze	**≥70%**	ASTM D1003
Outer layer gloss at 45°	**≤8%**	GB/T 8807
Seal temperature	**100-110 °C / 210-230 °F**	-
Seal strength, self-to-self	**≥1.008 lb/in**	-
Oxygen transmission (OTR)	**≤4.2 cm³/100 in²/24 h**	ASTM D3985
Water vapor transmission (WVTR)	**≤0.038 g/100 in²/24 h**	ASTM F1249
Film shelf life	**12 months from delivery**	-
Storage temperature	**10-26 °C / 50-80 °F**	-
Storage relative humidity	**30-70%**	-

Reference values - subject to MewePak technical approval.

ROLLSTOCK FILM

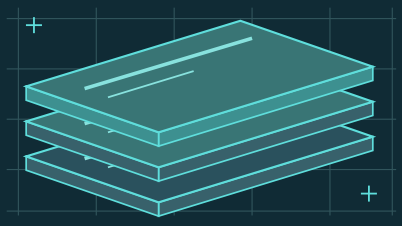
Medium Clear + Gloss BOPP

REFERENCE GAUGE

3.1 mil

≈79 µm total thickness

FILM CONSTRUCTION



01 Outer laminate
1.0 mil gloss BOPP

02 Print surface
48 ga CT PET

03 Inner sealant
1.5 mil clear mLLDPE

MATERIAL FAMILY

BOPP

Biaxially oriented polypropylene

MEDIUM MATERIALS

MATERIAL SPECIFICATION

FOR REVIEW

Film profile

Three-layer film for form-fill-seal applications requiring heat stability. Gloss finish supports clear product windows.

TYPICAL PROPERTIES

Reference values

PROPERTY	REFERENCE VALUE	METHOD
01 Dimensions & handling		
Total film thickness	**3.1 mil (≈79 µm)**	Calculated
Thickness tolerance	**±10%**	-
Film yield	**9,082 in²/lb**	Calculated
Coefficient of friction (COF)	**≤0.17 outer / ≤0.2 inner**	ASTM D1894
02 Surface & optics		
Outer layer haze	**64%**	ASTM D1003
Outer layer gloss at 60°	**109 gloss units**	ASTM D2457
03 Sealing		
Seal temperature	**120-180 °C / 250-350 °F**	-
Seal strength, self-to-self	**≥7 lb/in**	ASTM F88
04 Barrier		
Oxygen transmission (OTR)	**≤7 cm³/100 in²/24 h**	ASTM D3985
Water vapor transmission (WVTR)	**≤0.6 g/100 in²/24 h**	ASTM F1249
05 Storage		
Film shelf life	**12 months from delivery**	-
Storage temperature	**10-26 °C / 50-80 °F**	-
Storage relative humidity	**30-70%**	-

Reference values - subject to MewePak technical approval.

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ROLLSTOCK FILM

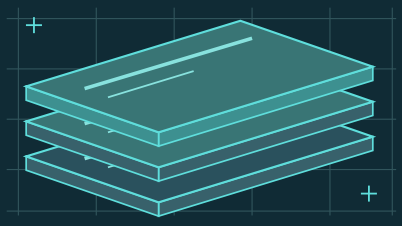
Medium Metallized + Gloss BOPP

REFERENCE GAUGE

3.1 mil

≈79 µm total thickness

FILM CONSTRUCTION



01 Outer laminate
1.0 mil gloss BOPP

02 Print surface
48 ga CT MET-PET

03 Inner sealant
1.5 mil clear mLLDPE

MATERIAL FAMILY

BOPP

Biaxially oriented polypropylene

MEDIUM MATERIALS

MATERIAL SPECIFICATION

FOR REVIEW

Film profile

Three-layer film for form-fill-seal applications requiring heat stability. Gloss surface with a silver interior and metallic artwork effects.

TYPICAL PROPERTIES

Reference values

PROPERTY	REFERENCE VALUE	METHOD
01 Dimensions & handling		
Total film thickness	**3.1 mil (≈79 µm)**	Calculated
Thickness tolerance	**±10%**	-
Film yield	**9,299 in²/lb**	Calculated
Coefficient of friction (COF)	**≤0.17 outer / ≤0.2 inner**	ASTM D1894
02 Surface & optics		
Outer layer haze	**64%**	ASTM D1003
Outer layer gloss at 60°	**109 gloss units**	ASTM D2457
03 Sealing		
Seal temperature	**120-180 °C / 250-350 °F**	-
Seal strength, self-to-self	**≥7 lb/in**	ASTM F88
04 Barrier		
Oxygen transmission (OTR)	**≤0.1 cm³/100 in²/24 h**	ASTM D3985
Water vapor transmission (WVTR)	**≤0.1 g/100 in²/24 h**	ASTM F1249
05 Storage		
Film shelf life	**12 months from delivery**	-
Storage temperature	**10-26 °C / 50-80 °F**	-
Storage relative humidity	**30-70%**	-

Reference values - subject to MewePak technical approval.

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ROLLSTOCK FILM

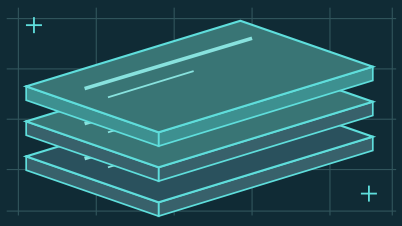
Medium White + Gloss BOPP

REFERENCE GAUGE

3.1 mil

≈79 µm total thickness

FILM CONSTRUCTION



01 Outer laminate
1.0 mil gloss BOPP

02 Print surface
48 ga CT PET

03 Inner sealant
1.5 mil white mLLDPE

MATERIAL FAMILY

BOPP

Biaxially oriented polypropylene

MEDIUM MATERIALS

MATERIAL SPECIFICATION

FOR REVIEW

Film profile

Three-layer film for form-fill-seal applications requiring heat stability. White interior supports vivid printed colours with a glossy surface.

TYPICAL PROPERTIES

Reference values

PROPERTY	REFERENCE VALUE	METHOD
01 Dimensions & handling		
Total film thickness	**3.1 mil (≈79 µm)**	Calculated
Thickness tolerance	**±10%**	-
Film yield	**9,082 in²/lb**	Calculated
Coefficient of friction (COF)	**≤0.17 outer / ≤0.2 inner**	ASTM D1894
02 Surface & optics		
Outer layer haze	**64%**	ASTM D1003
Outer layer gloss at 60°	**109 gloss units**	ASTM D2457
03 Sealing		
Seal temperature	**120-180 °C / 250-350 °F**	-
Seal strength, self-to-self	**≥7 lb/in**	ASTM F88
04 Barrier		
Oxygen transmission (OTR)	**≤7 cm³/100 in²/24 h**	ASTM D3985
Water vapor transmission (WVTR)	**≤0.6 g/100 in²/24 h**	ASTM F1249
05 Storage		
Film shelf life	**12 months from delivery**	-
Storage temperature	**10-26 °C / 50-80 °F**	-
Storage relative humidity	**30-70%**	-

Reference values - subject to MewePak technical approval.

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ROLLSTOCK FILM

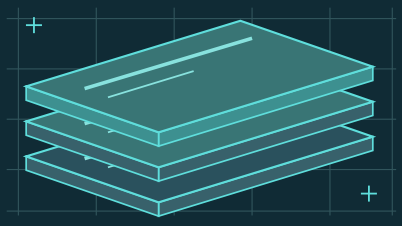
Medium Clear + Matte BOPP

REFERENCE GAUGE

3.4 mil

≈86.5 µm total thickness

FILM CONSTRUCTION



01 Outer laminate
1.3 mil matte BOPP

02 Print surface
48 ga CT PET

03 Inner sealant
1.5 mil clear mLLDPE

MATERIAL FAMILY

BOPP

Biaxially oriented polypropylene

MEDIUM MATERIALS

MATERIAL SPECIFICATION

FOR REVIEW

Film profile

Three-layer film for form-fill-seal applications requiring heat stability. Matte finish creates a frosted window appearance.

TYPICAL PROPERTIES

Reference values

PROPERTY	REFERENCE VALUE	METHOD
01 Dimensions & handling		
Total film thickness	**3.4 mil (≈86.5 µm)**	Calculated
Thickness tolerance	**±10%**	-
Film yield	**9,007 in²/lb**	Calculated
Coefficient of friction (COF)	**≤0.4 outer / ≤0.2 inner**	ASTM D1894
02 Surface & optics		
Outer layer haze	**≥70%**	ASTM D1003
Outer layer gloss at 45°	**≤8%**	GB/T 8807
03 Sealing		
Seal temperature	**120-180 °C / 250-350 °F**	-
Seal strength, self-to-self	**≥7 lb/in**	ASTM F88
04 Barrier		
Oxygen transmission (OTR)	**≤7 cm³/100 in²/24 h**	ASTM D3985
Water vapor transmission (WVTR)	**≤0.6 g/100 in²/24 h**	ASTM F1249
05 Storage		
Film shelf life	**12 months from delivery**	-
Storage temperature	**10-26 °C / 50-80 °F**	-
Storage relative humidity	**30-70%**	-

Reference values - subject to MewePak technical approval.

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ROLLSTOCK FILM

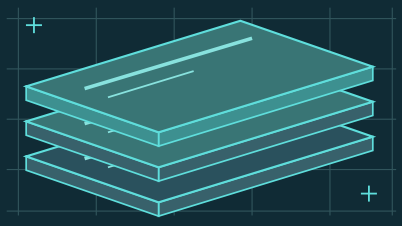
Medium Metallized + Matte BOPP

REFERENCE GAUGE

3.4 mil

≈86.5 µm total thickness

FILM CONSTRUCTION



01 **Outer laminate**
1.3 mil matte BOPP

02 **Print surface**
48 ga CT MET-PET

03 **Inner sealant**
1.5 mil clear mLLDPE

MATERIAL FAMILY

BOPP

Biaxially oriented polypropylene

MEDIUM MATERIALS

MATERIAL SPECIFICATION

FOR REVIEW

Film profile

Three-layer film for form-fill-seal applications requiring heat stability. Low-shine surface with a silver interior and muted metallic effects.

TYPICAL PROPERTIES

Reference values

PROPERTY	REFERENCE VALUE	METHOD
01 Dimensions & handling		
Total film thickness	**3.4 mil (≈86.5 µm)**	Calculated
Thickness tolerance	**±10%**	-
Film yield	**9,220 in²/lb**	Calculated
Coefficient of friction (COF)	**≤0.4 outer / ≤0.2 inner**	ASTM D1894
02 Surface & optics		
Outer layer haze	**≥70%**	ASTM D1003
Outer layer gloss at 45°	**≤8%**	GB/T 8807
03 Sealing		
Seal temperature	**120-180 °C / 250-350 °F**	-
Seal strength, self-to-self	**≥7 lb/in**	ASTM F88
04 Barrier		
Oxygen transmission (OTR)	**≤0.1 cm³/100 in²/24 h**	ASTM D3985
Water vapor transmission (WVTR)	**≤0.1 g/100 in²/24 h**	ASTM F1249
05 Storage		
Film shelf life	**12 months from delivery**	-
Storage temperature	**10-26 °C / 50-80 °F**	-
Storage relative humidity	**30-70%**	-

Reference values - subject to MewePak technical approval.

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ROLLSTOCK FILM

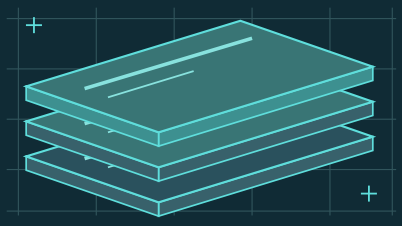
Medium White + Matte BOPP

REFERENCE GAUGE

3.4 mil

≈86.5 µm total thickness

FILM CONSTRUCTION



01 Outer laminate
1.3 mil matte BOPP

02 Print surface
48 ga CT PET

03 Inner sealant
1.5 mil white mLLDPE

MATERIAL FAMILY

BOPP

Biaxially oriented polypropylene

MEDIUM MATERIALS

MATERIAL SPECIFICATION

FOR REVIEW

Film profile

Three-layer film for form-fill-seal applications requiring heat stability. White interior with a low-shine matte surface.

TYPICAL PROPERTIES

Reference values

PROPERTY	REFERENCE VALUE	METHOD
01 Dimensions & handling		
Total film thickness	**3.4 mil (≈86.5 µm)**	Calculated
Thickness tolerance	**±10%**	-
Film yield	**9,007 in²/lb**	Calculated
Coefficient of friction (COF)	**≤0.4 outer / ≤0.2 inner**	ASTM D1894
02 Surface & optics		
Outer layer haze	**≥70%**	ASTM D1003
Outer layer gloss at 45°	**≤8%**	GB/T 8807
03 Sealing		
Seal temperature	**120-180 °C / 250-350 °F**	-
Seal strength, self-to-self	**≥7 lb/in**	ASTM F88
04 Barrier		
Oxygen transmission (OTR)	**≤7 cm³/100 in²/24 h**	ASTM D3985
Water vapor transmission (WVTR)	**≤0.6 g/100 in²/24 h**	ASTM F1249
05 Storage		
Film shelf life	**12 months from delivery**	-
Storage temperature	**10-26 °C / 50-80 °F**	-
Storage relative humidity	**30-70%**	-

Reference values - subject to MewePak technical approval.

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Packaging Solutions Provider

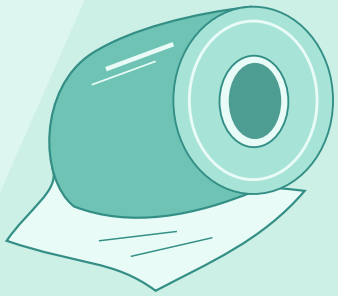
FOR REVIEW

MATERIAL SPECIFICATION

Thick Clear + Gloss BOPP

Three-layer film for applications requiring puncture resistance and oxygen/moisture protection. Gloss finish supports clear product windows.

ROLLSTOCK | GLOSS FINISH | 3-LAYER BOPP



FILM CONSTRUCTION

4.6 mil / 3-layer laminate

01 OUTER LAMINATE	02 PRINT SURFACE	03 INNER SEALANT
1.0 mil gloss BOPP	48 ga CT PET	3.0 mil clear EVOH PE

TYPICAL PROPERTIES

Reference values

01 Dimensions & handling

Total film thickness	**4.6 mil (≈117 µm)**	Calculated
Thickness tolerance	**±10%**	
Film yield	**6,166 in²/lb**	Calculated
Coefficient of friction (COF)	**≤0.17 outer / 0.20-0.35 inner**	ASTM D1894

02 Optics & sealing

Outer layer haze	**64%**	ASTM D1003
Outer layer gloss at 60°	**109 gloss units**	ASTM D2457
Seal temperature	**120-180 °C / 250-350 °F**	
Seal strength, self-to-self	**≥9 lb/in**	ASTM F88

03 Barrier performance

Oxygen transmission (OTR)

≤0.06 cm³/100 in²/24 h

ASTM D3985

Water vapor transmission (WVTR)

≤0.063 g/100 in²/24 h

ASTM F1249

04 Storage & shelf life

Film shelf life

12 months from delivery

Storage temperature

10-26 °C / 50-80 °F

Storage relative humidity

30-70%

Reference values - subject to MewePak technical approval.

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Mewepak
Packaging Solutions Provider

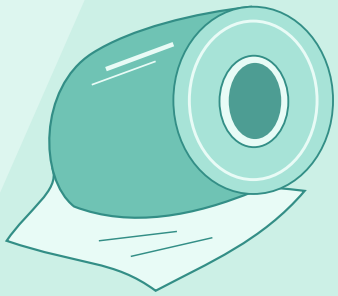
FOR REVIEW

MATERIAL SPECIFICATION

Thick Metallized + Gloss BOPP

Three-layer film for applications requiring puncture resistance and oxygen/moisture protection. Gloss surface with a silver interior and metallic artwork effects.

ROLLSTOCK | GLOSS FINISH | 3-LAYER BOPP



FILM CONSTRUCTION

4.6 mil / 3-layer laminate

01 OUTER LAMINATE	02 PRINT SURFACE	03 INNER SEALANT
1.0 mil gloss BOPP	48 ga CT MET-PET	3.0 mil clear mLLDPE

TYPICAL PROPERTIES

Reference values

01 Dimensions & handling

Total film thickness	**4.6 mil (≈117 µm)**	Calculated
Thickness tolerance	**±10%**	
Film yield	**6,328 in²/lb**	Calculated
Coefficient of friction (COF)	**≤0.17 outer / 0.20-0.35 inner**	ASTM D1894

02 Optics & sealing

Outer layer haze	**64%**	ASTM D1003
Outer layer gloss at 60°	**109 gloss units**	ASTM D2457
Seal temperature	**120-180 °C / 250-350 °F**	
Seal strength, self-to-self	**≥7 lb/in**	ASTM F88

03 Barrier performance

Oxygen transmission (OTR)

≤0.03 cm³/100 in²/24 h

ASTM D3985

Water vapor transmission (WVTR)

≤0.13 g/100 in²/24 h

ASTM F1249

04 Storage & shelf life

Film shelf life

12 months from delivery

Storage temperature

10-26 °C / 50-80 °F

Storage relative humidity

30-70%

Reference values - subject to MewePak technical approval.

Mewepak
Packaging Solutions Provider

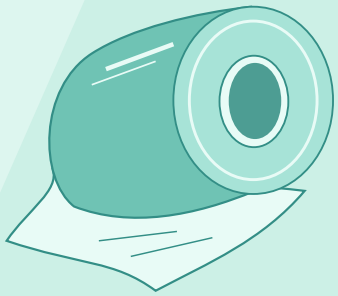
FOR REVIEW

MATERIAL SPECIFICATION

Thick White + Gloss BOPP

Three-layer film for applications requiring puncture resistance and oxygen/moisture protection. White interior supports vivid printed colours with a glossy surface.

ROLLSTOCK | GLOSS FINISH | 3-LAYER BOPP



FILM CONSTRUCTION

4.6 mil / 3-layer laminate

01 OUTER LAMINATE	02 PRINT SURFACE	03 INNER SEALANT
1.0 mil gloss BOPP	48 ga CT PET	3.0 mil white EVOH PE

TYPICAL PROPERTIES

Reference values

01 Dimensions & handling

Total film thickness	**4.6 mil (≈117 µm)**	Calculated
Thickness tolerance	**±10%**	
Film yield	**6,166 in²/lb**	Calculated
Coefficient of friction (COF)	**≤0.17 outer / 0.20-0.35 inner**	ASTM D1894

02 Optics & sealing

Outer layer haze	**64%**	ASTM D1003
Outer layer gloss at 60°	**109 gloss units**	ASTM D2457
Seal temperature	**120-180 °C / 250-350 °F**	
Seal strength, self-to-self	**≥9 lb/in**	ASTM F88

03 Barrier performance

Oxygen transmission (OTR)

≤0.06 cm³/100 in²/24 h

ASTM D3985

Water vapor transmission (WVTR)

≤0.063 g/100 in²/24 h

ASTM F1249

04 Storage & shelf life

Film shelf life	**12 months from delivery**
Storage temperature	**10-26 °C / 50-80 °F**
Storage relative humidity	**30-70%**

Reference values - subject to MewePak technical approval.

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Mewepak
Packaging Solutions Provider

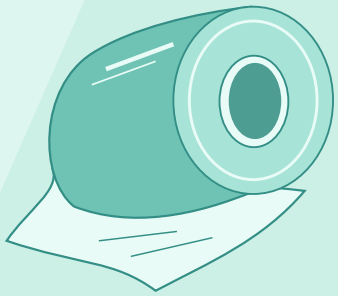
FOR REVIEW

MATERIAL SPECIFICATION

Thick Clear + Matte BOPP

Three-layer film for applications requiring puncture resistance and oxygen/moisture protection. Matte finish creates a frosted window appearance.

POUCH / ROLL | MATTE FINISH | 3-LAYER BOPP



FILM CONSTRUCTION

4.9 mil / 3-layer laminate

01 OUTER LAMINATE	02 PRINT SURFACE	03 INNER SEALANT
1.3 mil matte BOPP	48 ga CT PET	3.0 mil clear EVOH PE

TYPICAL PROPERTIES

Reference values

01 Dimensions & handling

Total film thickness	**4.9 mil (≈124.5 µm)**	Calculated
Thickness tolerance	**±10%**	
Film yield	**6,131 in²/lb**	Calculated
Coefficient of friction (COF)	**≤0.4 outer / 0.20-0.35 inner**	ASTM D1894

02 Optics & sealing

Outer layer haze	**≥70%**	ASTM D1003
Outer layer gloss at 45°	**≤8%**	GB/T 8807
Seal temperature	**120-180 °C / 250-350 °F**	
Seal strength, self-to-self	**≥9 lb/in**	ASTM F88

03 Barrier performance

Oxygen transmission (OTR)

≤0.06 cm³/100 in²/24 h

ASTM D3985

Water vapor transmission (WVTR)

≤0.063 g/100 in²/24 h

ASTM F1249

04 Storage & shelf life

Film shelf life

12 months from delivery

Storage temperature

10-26 °C / 50-80 °F

Storage relative humidity

30-70%

Reference values - subject to MewePak technical approval.

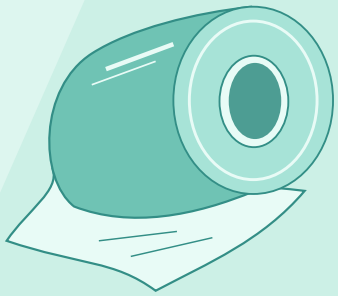
Mewepak
Packaging Solutions Provider

FOR REVIEW

MATERIAL SPECIFICATION

Thick Metallized + Matte BOPP

Three-layer film for applications requiring puncture resistance and oxygen/moisture protection. Low-shine surface with a silver interior and muted metallic effects.



POUCH / ROLL | MATTE FINISH | 3-LAYER BOPP

FILM CONSTRUCTION

4.9 mil / 3-layer laminate

01 OUTER LAMINATE	02 PRINT SURFACE	03 INNER SEALANT
1.3 mil matte BOPP	48 ga CT MET-PET	3.0 mil clear mLLDPE

TYPICAL PROPERTIES

Reference values

01 Dimensions & handling

Total film thickness	**4.9 mil (≈124.5 µm)**	Calculated
Thickness tolerance	**±10%**	
Film yield	**6,291 in²/lb**	Calculated
Coefficient of friction (COF)	**≤0.4 outer / 0.20-0.35 inner**	ASTM D1894

02 Optics & sealing

Outer layer haze	**≥70%**	ASTM D1003
Outer layer gloss at 45°	**≤8%**	GB/T 8807
Seal temperature	**120-180 °C / 250-350 °F**	
Seal strength, self-to-self	**≥7 lb/in**	ASTM F88

03 Barrier performance

Oxygen transmission (OTR)

≤0.03 cm³/100 in²/24 h

ASTM D3985

Water vapor transmission (WVTR)

≤0.13 g/100 in²/24 h

ASTM F1249

04 Storage & shelf life

Film shelf life

12 months from delivery

Storage temperature

10-26 °C / 50-80 °F

Storage relative humidity

30-70%

Reference values - subject to MewePak technical approval.

Mewepak
Packaging Solutions Provider

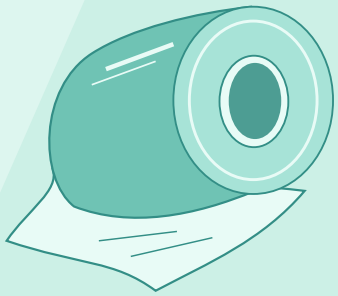
FOR REVIEW

MATERIAL SPECIFICATION

Thick White + Matte BOPP

Three-layer film for applications requiring puncture resistance and oxygen/moisture protection. White interior with a low-shine matte surface.

POUCH / ROLL | MATTE FINISH | 3-LAYER BOPP



FILM CONSTRUCTION

4.9 mil / 3-layer laminate

01 OUTER LAMINATE	02 PRINT SURFACE	03 INNER SEALANT
1.3 mil matte BOPP	48 ga CT PET	3.0 mil white EVOH PE

TYPICAL PROPERTIES

Reference values

01 Dimensions & handling

Total film thickness	**4.9 mil (≈124.5 µm)**	Calculated
Thickness tolerance	**±10%**	
Film yield	**6,131 in²/lb**	Calculated
Coefficient of friction (COF)	**≤0.4 outer / 0.20-0.35 inner**	ASTM D1894

02 Optics & sealing

Outer layer haze	**≥70%**	ASTM D1003
Outer layer gloss at 45°	**≤8%**	GB/T 8807
Seal temperature	**120-180 °C / 250-350 °F**	
Seal strength, self-to-self	**≥9 lb/in**	ASTM F88

03 Barrier performance

Oxygen transmission (OTR)

≤0.06 cm³/100 in²/24 h

ASTM D3985

Water vapor transmission (WVTR)

≤0.063 g/100 in²/24 h

ASTM F1249

04 Storage & shelf life

Film shelf life

12 months from delivery

Storage temperature

10-26 °C / 50-80 °F

Storage relative humidity

30-70%

Reference values - subject to MewePak technical approval.

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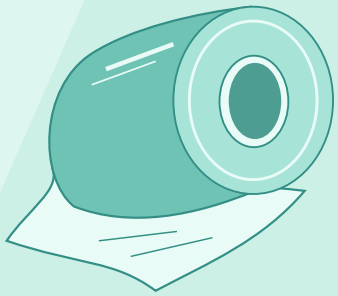
FOR REVIEW

MATERIAL SPECIFICATION

Thick Clear + Gloss PET

Three-layer film for applications requiring puncture resistance and oxygen/moisture protection. Gloss finish supports clear product windows.

POUCHES | GLOSS FINISH | 3-LAYER PET



FILM CONSTRUCTION

4.8 mil / 3-layer laminate

01 OUTER LAMINATE	02 PRINT SURFACE	03 INNER SEALANT
1.2 mil gloss PET	48 ga CT PET	3.0 mil clear EVOH PE

TYPICAL PROPERTIES

Reference values

01 Dimensions & handling

Total film thickness	**4.8 mil (≈122 µm)**	Calculated
Thickness tolerance	**±10%**	
Film yield	**5,698 in²/lb**	Calculated
Coefficient of friction (COF)	**≤0.5 outer / 0.20-0.35 inner**	ASTM D1894

02 Optics & sealing

Outer layer haze	**≤10%**	ASTM D1003
Outer layer gloss at 45°	**≥70%**	GB/T 8807
Seal temperature	**120-180 °C / 250-350 °F**	
Seal strength, self-to-self	**≥9 lb/in**	ASTM F88

03 Barrier performance

Oxygen transmission (OTR)

≤0.06 cm³/100 in²/24 h

ASTM D3985

Water vapor transmission (WVTR)

≤0.063 g/100 in²/24 h

ASTM F1249

04 Storage & shelf life

Film shelf life

12 months from delivery

Storage temperature

10-26 °C / 50-80 °F

Storage relative humidity

30-70%

Reference values - subject to MewePak technical approval.

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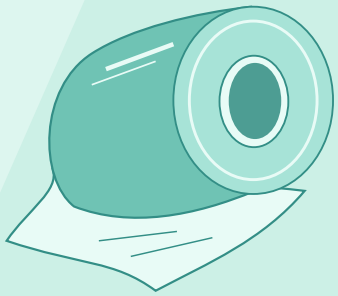
FOR REVIEW

MATERIAL SPECIFICATION

Thick Metallized + Gloss PET

Three-layer film for applications requiring puncture resistance and oxygen/moisture protection. Gloss surface with a silver interior and metallic artwork effects.

POUCHES | GLOSS FINISH | 3-LAYER PET



FILM CONSTRUCTION

4.8 mil / 3-layer laminate

01 OUTER LAMINATE	02 PRINT SURFACE	03 INNER SEALANT
1.2 mil gloss PET	48 ga CT MET-PET	3.0 mil clear mLLDPE

TYPICAL PROPERTIES

Reference values

01 Dimensions & handling

Total film thickness	**4.8 mil (≈122 µm)**	Calculated
Thickness tolerance	**±10%**	
Film yield	**5,836 in²/lb**	Calculated
Coefficient of friction (COF)	**≤0.5 outer / 0.20-0.35 inner**	ASTM D1894

02 Optics & sealing

Outer layer haze	**≤10%**	ASTM D1003
Outer layer gloss at 45°	**≥70%**	GB/T 8807
Seal temperature	**120-180 °C / 250-350 °F**	
Seal strength, self-to-self	**≥7 lb/in**	ASTM F88

03 Barrier performance

Oxygen transmission (OTR)

≤0.03 cm³/100 in²/24 h

ASTM D3985

Water vapor transmission (WVTR)

≤0.13 g/100 in²/24 h

ASTM F1249

04 Storage & shelf life

Film shelf life

12 months from delivery

Storage temperature

10-26 °C / 50-80 °F

Storage relative humidity

30-70%

Reference values - subject to MewePak technical approval.

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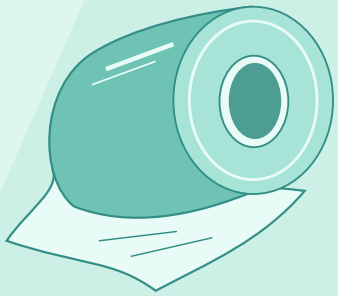
FOR REVIEW

MATERIAL SPECIFICATION

Thick White + Gloss PET

Three-layer film for applications requiring puncture resistance and oxygen/moisture protection. White interior supports vivid printed colours with a glossy surface.

POUCHES | GLOSS FINISH | 3-LAYER PET



FILM CONSTRUCTION

4.8 mil / 3-layer laminate

01 OUTER LAMINATE	02 PRINT SURFACE	03 INNER SEALANT
1.2 mil gloss PET	48 ga CT PET	3.0 mil white EVOH PE

TYPICAL PROPERTIES

Reference values

01 Dimensions & handling

Total film thickness	**4.8 mil (≈122 µm)**	Calculated
Thickness tolerance	**±10%**	
Film yield	**5,698 in²/lb**	Calculated
Coefficient of friction (COF)	**≤0.5 outer / 0.20-0.35 inner**	ASTM D1894

02 Optics & sealing

Outer layer haze	**≤10%**	ASTM D1003
Outer layer gloss at 45°	**≥70%**	GB/T 8807
Seal temperature	**120-180 °C / 250-350 °F**	
Seal strength, self-to-self	**≥9 lb/in**	ASTM F88

03 Barrier performance

Oxygen transmission (OTR)

≤0.06 cm³/100 in²/24 h

ASTM D3985

Water vapor transmission (WVTR)

≤0.063 g/100 in²/24 h

ASTM F1249

04 Storage & shelf life

Film shelf life

12 months from delivery

Storage temperature

10-26 °C / 50-80 °F

Storage relative humidity

30-70%

Reference values - subject to MewePak technical approval.