

WKDT

Films & release liners

Product forms and specifications for material selection.

Technical catalogue
English edition / October 2026

Product forms, material composition and specification tables.

For grade selection, samples and current specifications, contact inquiry@weikongda.com.

BOPP printing & laminating films



Polymer	Gauge (μm)	Surface / construction	Processing / application
BOPP	12-50	Gloss	Printing / lamination
BOPP	12-30	Matte	Printing / paper lamination / foil / UV
BOPP	15-50	Single / double-side heat seal	Packaging; single corona

BOPP functional & coated films



Polymer	Product form	Functional specification	Processing / application
BOPP	Low-SIT one / two-side heat seal	SIT 95°C / 105°C	High-speed packaging
BOPP	Anti-fog heat seal	Seal strength 6-8 N	Produce packaging
BOPP	Long-duration anti-fog	SIT 95°C / 105°C	Produce packaging
BOPP	Soft-touch coating	60° gloss < 1%; COF > 0.6	Luxury printing / lamination
BOPP	Transparent UV-inkjet label	48μm base film	UV-inkjet coating / label printing

Solid-white BOPP & decorative films



Gauge (μm)	Base polymer	Mass (g/m²)	Density (kg/m³)	Construction / finish	Opacity (%)	Surface tension (mN/m)	Gloss (%)	Tensile (MPa)
60	BOPP (PP)	52.8	880	Solid white; gloss/matte	81	≥39	Gloss 80 Matte 7	MD 90 TD 200
80	BOPP (PP)	70.4	880	Solid white; gloss/matte	87	≥39	Gloss 85 Matte 5.5	MD 105 TD 220
77-83	BOPP (PP)	73-87	—	PP decorative printing base	—	—	—	—

White-label & cavitated BOPP films



Gauge (μm)	Base polymer	Mass (g/m²)	Density (kg/m³)	Construction / finish	Opacity (%)	Surface tension (mN/m)	Gloss (%)	Tensile (MPa)
60	BOPP (PP)	42 (calc.)	700	Voided white; gloss/matte	—	—	—	—
80	BOPP (PP)	60.0	750	Voided white; gloss/matte	90	≥39	Gloss 108 Matte 6	MD 85 TD 180
88	BOPP (PP)	65.12 (calc.)	740	Voided white; gloss/gloss	—	—	—	—
60±5%	BOPP (PP)	46.2 (calc.)	770±20	White; matte/gloss	85±3	≥38	Matte ≤60	—
80±5%	BOPP (PP)	61.6 (calc.)	770±20	White; matte/gloss	≥83	≥38	Matte ≤60	—

Pearlized BOPP & label films



Polymer	Gauge (μm)	Surface / construction	Processing / application
BOPP	22-70	Pearlized	Printed / laminated packaging
BOPP	32 /45	Matte / pearl finish	Decoration / packaging
BOPP	38	Pearlized wrap label	Beverage wrap-around labels

BOPP synthetic papers & thick label films



Polymer	Gauge (μm)	Density (kg/m³)	Surface / form	Application
BOPP	50-200	550-800	Gloss / gloss	Book cover / lamination
BOPP	50-200	550-800	Single / double matte	Labels / liners
BOPP	65-200	550-800	Self-adhesive label face film	Cosmetics / warning labels

PET base & functional films



Polymer	Gauge (μm)	Surface / construction	Processing / application
PET	8-150	Clear; corona options	Print / metallization / lamination
PET	15-30	Single / double matte	Printing / lamination
PET	12-50	Heat sealable	Printable heat-seal packaging
PET	19-33	Twist retention	Twist-wrap packaging
PET	12	Acrylic / copolyester / PU treatment	Printing / metallization bonding
PET	12	Easy tear; clear / matte	MD / TD tearable packaging

CPP & BOPE films



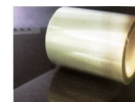
Polymer	Gauge (μm)	Surface / construction	Processing / application
CPP	20-100	Clear	Packaging / lamination
CPP	20-100	Single / double matte	Packaging / lamination
CPP	80±5	Base film	Width1090(-0/+5)mm; density920kg/m³
BOPE	20-40	Biaxially oriented PE	Food / daily chemical lamination

Metallized PET, BOPP & CPP films



Polymer	Gauge (µm)	Surface / construction	Application
PET	8-50	Vacuum-metallized	Packaging / reflective lamination
PET	15-30	Matte; vacuum-metallized	Packaging / insulation
PET	8-50	High-barrier metallized	Industrial packaging
PET	12	Chemical treated; metallized	Laminate bonding
PET	19-33	Twist; metallized	Twist packaging
BOPP	25-50	Metallized / pearlized	Frozen packaging
BOPP	15-30	Metallized; corona or heat-seal options	Industrial packaging
CPP	20-40	Vacuum-metallized	Barrier packaging

PET release films

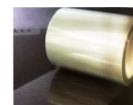


Gauge (µm)	Base polymer	Coating / finish	Width (mm)	Release force (gf/25mm)	Residual adhesion (%)	Tensile (MPa)	Elongation (%)
12-250	PET	Silicone; clear	—	0.98-590.55	>85	MD 210 TD 150	MD 140 TD 120
23-100	PET	Ultra-clear	—	0.98-590.55	>92	MD 210 TD 230	MD 140 TD 120
23-100	PET	Matte	—	0.98-590.55	>92	MD 210 TD 230	MD 140 TD 120
23-250	PET	Coloured	—	0.98-590.55	>92	MD 210 TD 230	MD 140 TD 120
25-100	PET	Fluorosilicone	—	0.98-98.43	>92	MD 210 TD 230	MD 140 TD 120
19-125	PET	Release-agent coated	—	295.28-590.55	—	MD 210 TD 230	MD 140 TD 120
50-180	PET	Embossed	—	4.92-590.55	>92	MD 210 TD 230	MD 140 TD 120
6 /12	PET	Silicone; anti-static / non-silicone / fluorosilicone options	≤2300	1-1000 (range)	70-95	—	—
23 /25	PET	Silicone; anti-static / non-silicone / fluorosilicone options	≤2300	1-1000 (range)	70-95	—	—
50 /75 /100	PET	Silicone; anti-static / non-silicone / fluorosilicone options	≤2300	1-1000 (range)	70-95	—	—
125 /150 /188	PET	Silicone; anti-static / non-silicone / fluorosilicone options	≤2300	1-1000 (range)	70-95	—	—

Detailed PET release-film specifications

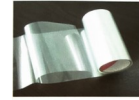
Gauge (μm)	Base polymer	Coating / finish	Width (mm)	Release force (gf/25mm)	Residual adhesion (%)	Tensile (MPa)	Elongation (%)
25±2	PET	Matte; anti-static	1080(-0/+5)	3-5	≥80	MD >60 TD >60	—
36±2	PET	Red; anti-static	1090(-0/+5)	25-35	≥80	MD >120 TD >120	—
50±2	PET	Clear; single-side; anti-static option	1090(-0/+5)	1-3	≥80	MD >150 TD >140	—
50±2	PET	Blue; single-side	1090(-0/+5)	10-20	≥85	MD >150 TD >140	—
50±2	PET	Silicone-free; anti-static	1090(-0/+5)	20-40	≥85	MD >150 TD >140	—
50±2	PET	Clear; double-side	1200(-0/+5)	A 10-20 B 20-40	≥85	MD >150 TD >140	—
50±5	PET	Fluorosilicone; clear	1040±5	5-8	≥85	—	—
75±2	PET	Green; single-side	1090(-0/+5)	1-5	≥70	MD >160 TD >160	—

PE & HDPE release films



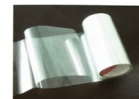
Gauge (μm)	Base polymer	Coating / finish	Width (mm)	Release force (gf/25mm)	Residual adhesion (%)	Tensile (MPa)	Elongation (%)
30-70	PE	grey/black or black/white	20-2000	≤20	≥75	—	≥150
30-150	HDPE	single / double-side	20-2100	5-15	≥75	≥20	≥200
60-150	HDPE	single / double-side	20-1200	4-8 /15-25	≥85	≥18	≥150
40±5	HDPE	F901	—	4.92-19.69	≥75	—	≥200
30±5	PE	white; single-side	1030(-0/+5)	5-10	≥80	MD >10 TD >10	—
120±8	PE	blue; double-side	1200(-0/+5)	A 5-10 B 20-30	≥85	MD >15 TD >15	—
120±8	PE	red; double-side	1200(-0/+5)	A 5-10 B 40-60	≥85	MD >15 TD >15	—
60±8	HDPE	embossed; single silicone	300±3	2	>85	MD >9.81 TD >9.81	MD >600 TD >400
80±8	HDPE	embossed; double silicone	300±3	Concave4 Convex15	>85	MD >9.81 TD >9.81	MD >600 TD >400

PP, CPP & MOPP release films



Gauge (µm)	Base polymer	Coating / finish	Width (mm)	Release force (gf/25mm)	Residual adhesion (%)	Tensile (MPa)	Elongation (%)
40-70	PP	HBf release coating	900-1200	≤9.84	≥90	—	≥150
60-100	MOPP	single / double silicone	20-1200	4-8 /10-15 /20-30	≥85	MD ≥300	≤50
30±2	PP	white; single-side	1030(-0/+5)	1-5	≥80	MD >10 TD >20	—
80±5	CPP	clear; double-side	1090(-0/+5)	A 10-20 B 20-40	≥85	—	>200

Protective & MOPP base films



Polymer	Gauge (µm)	Width (mm)	Surface / treatment	Colour	Adhesion (gf/25mm)	Tensile (MPa)
HDPE	50±5	1240(-0/+5)	Acrylic adhesive	Clear	0.33-1.67	MD >15 TD >10
HDPE	85±5	1250	Modified acrylic adhesive	Blue	166.67-300	—
MOPP	85±2	1200(-0/+5)	Base film; single / double corona	Sky blue	—	MD ≥280

Cross-laminated HDPE films



Surface	Base polymer	Gauge (µm)	Width (mm)	Core ID (mm)	Tensile (MPa)	Break elongation (%)	Nail tear N
Anti-slip	HDPE (PE)	90-265	900-1200	76	≥50	≥250	≥60
Smooth	HDPE (PE)	90-265	900-1200	76	≥30	≥250	≥110

Glassine, kraft & CCK release papers



Paper weight (g/m²)	Paper base	Thickness range (mm)	Width (mm)	Colours	Residual adhesion (%)
35	Glassine	—	—	White / Blue / Honey	—
60	Glassine	0.06-0.15	30-1090	White / Blue / Honey	≥90
65	Glassine	0.06-0.15	30-1090	White	≥90
70	Glassine	—	—	White / Blue / Honey	—
76	Glassine	0.06-0.15	30-1090	White	≥90
80	Glassine	0.06-0.15	30-1090	White / Blue / Honey	≥90
90	Glassine	0.06-0.15	30-1090	White / Blue / Honey	≥90

Paper weight (g/m²)	Paper base	Thickness range (mm)	Width (mm)	Colours	Residual adhesion (%)
100	Glassine	—	—	White / Blue / Honey	—
100	CCK (kaolin coated)	—	—	—	—
120	Glassine	0.06-0.15	30-1090	White / Blue / Honey	≥90
120	CCK (kaolin coated)	—	—	—	—
140	Glassine	0.06-0.15	30-1090	White	≥90