



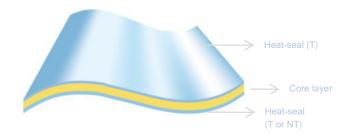
H is both sides heat-sealable BOPP film designed for VFFS/HFFS particularly suited. (VFFS Vertical form fill seal) (HFFS Horizontal form fill seal)

KEY FEATURES

- Outstanding heat seal strength
- Good slip and antistatic property
- Excellent dimensional stability
- Excellent moisture barrier
- Good printing on corona treated side

Surface 1: inside corona treatment
Treatment 2: outside corona treatment
3: both side corona treatment
Film class 300 (both sides heat-seal)
Food contact FDA US CFR 177.1520

Commission Regulation (EU) No. 10/2011



TECHNICAL DATA	MD	Machine Direction	Т	Treated side	1	Inside
ILCINICAL DATA	TD	Transverse Direction	NT	Non-Treated side	O	Outside

TYPIC	AL PROPERTIES		UNIT		TEST METHODS	DS TYPICAL VALUE			
THICKNESS			micron		Micrometer	15	17,18,20,21	22,25,28,30	38,40,50
AVERAGE THICK	NESS VARIATION		micron		ASTM E-252-78		± 3%		
DENSITY			g/cm ³		ASTM D-1505		0.	.91	
TENSILE		MD	NI/mama2	(main)	ACTM D 000	1	20	12	25
STRENGTH		TD	N/mm²	N/mm ² (min) ASTM D-882		2	240	25	50
ELONGATION		MD	0/ (mm) ACTMD 000		2	260	26	60	
AT BREAK		TD	%	(max)	ASTM D-882		75		5
DIMENSIONAL		MD	% (max)		ASTM D-1204	4.5	4.0	4.	0
STABILITY		TD			120°C, 5 minutes	2.0	2.0	2.	0
COF (kin atia)1	T/T		(max)		ASTM D-1894		0.	.60	
COF (kinetic) ¹		NT/NT	(IIIax)		ASTM D-1894	0.60			
HAZE			%	(max)	ASTM D-1003-61	2	2.5	3.	0
GLOSS (angle 60°	")		GU	(min)	ASTM D-2457	1	25	12	25
	ONE SIDE	Т					3	38	
WETTING	TREATED	NT	D /	(!)				-	
TENSION ²	BOTH SIDES	I	Dynes/cm	(min)	ASTM D-2578		3	37	
	TREATED	0					3	36	
SEAL TEMPERAT	TIDE	T/T	°C		Lower plate 80° C,	120)-125	125-130	130-135
JLAL I EIVIFERA I	UNL	NT/NT			1 bar, 1 sec	120)-125	120-125	120-125
SEAL STRENGTH	13	T/T 1/45 () 1/1/45		width 15 mm	:	2.0	2.0	2.0	
SLAL STRENGTE	I	NT/NT	N/15 mm	(min)	Milli Gi ilibiw	:	2.0	2.0	2.0

Remark;

Minimum (min), ≥ mean the value specified must be higher than or equal to the min value.

Maximum (max), ≤ mean the value specified must be less than or equal to the max value.

¹COF is measured after produced and the value can be changed during storage.

YIELD & G.S.M. DATA

THICKNESS micron	YIELD m²/kg	G.S.M g/m²	THICKNESS micron	YIELD m²/kg	G.S.M g/m²
15	71.13-75.53	13.24-14.06	25	42.68-45.32	22.07-23.43
17	62.76-66.64	15.01-15.93	28	38.10-40.46	24.72-26.24
18	59.27-62.94	15.89-16.87	30	35.56-37.76	26.48-28.12
20	53.34-56.64	17.65-18.75	38	28.08-29.81	33.54-35.62
21	50.80-53.95	18.54-19.68	40	26.67-28.32	35.31-37.49
22	48.50-51.49	19.42-20.62	50	21.34-22.66	44.14-46.87

DESCRIPTION OF SUPPLY

PAPER CORE I.D. 76 mm (3 inches), 152 mm (6 inches) ROLL OUTSIDE DIAMETER max. 1000 mm

WIDTH RANGE 450 mm – 2500 mm (upon request) LENGTH RANGE standard 4000 m to 12000 m (upon request)

DISCLAIMER: The data and information contained herein are given purely as a guide. Technical information is furnished solely as reference concerning the mentioned product without any obligation, end users shall consider suitability for their own adoption & usage. As conditions of use may vary and are beyond our control A.J. Plast (Vietnam) undertakes no responsibility and liability for accuracy of any technical information and results obtained by usage of this product

Tax: 370 301 3449 Company Phone: +84 (0) 274-380-3456 Website: http://ajplast.com.vn/

²Wetting tension is measured after produced and the value can be changed during storage.

³ Treated side is designed for printing and lamination and not designed for sealant layer.





Version: R01

Issue Date: 7th Aug 2024

Revised Date: xx xx xxxx

LOW SIT ONE SIDE COEX BOPP FILM

HLP is one side heat-sealable BOPP film designed for VFFS/HFFS particularly suited. (VFFS Vertical form fill seal) (HFFS Horizontal form fill seal)

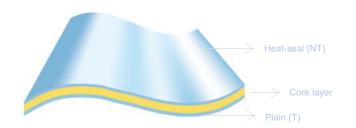
KEY FEATURES

- Low sealing initial temperature (SIT) for NT side
- Outstanding heat seal strength
- Good slip and antistatic property
- Good dimensional stability
- Excellent moisture barrier
- Good printing on corona treated side

Surface 1: inside corona treatment
Treatment 2: outside corona treatment

Film class 100 or 200 (One heat-seal)
Food contact FDA US CFR 177.1520

Commission Regulation (EU) No. 10/2011



TECHNICAL DATA	TD	Transverse [NT	Non-Treate	_	Н	Heat-se	alable side	
TYPICAL PROPE	RTIFS		UNIT		TEST	ИЕТН	ODS		

TYPICAL PROPERTI	ES	UNIT		TEST METHODS	TYPICAL	_ VALUE	
THICKNESS		micron		Micrometer	15,18,20	25,28,30,40,50	
AVERAGE THICKNESS VARIATION	NC	micron		ASTM E-252-78	± 3%		
DENSITY		g/cm ³		ASTM D-1505	0.91		
TENSILE	MD	N/mm ²	(min)	ASTM D-882	12	20	
STRENGTH	TD	19/111111	(111111)	A31W D-002	250		
ELONGATION	MD	%			70		
AT BREAK	TD	% (max)		A31W D-002	75		
DIMENSIONAL	MD	%	(max)	ASTM D-1204	5.0	4.0	
STABILITY	TD	70		120°C, 5 minutes	2.0	2.0	
COF (kinetic) ¹	T/T (P)		(may)	ASTM D-1894	0	40	
COF (Killetic)	NT/NT (H)		(max)	ASTIVI D-1094	0	40	
HAZE		%	(max)	ASTM D-1003-61	3.	.0	
GLOSS (angle 60°)		GU	(min)	ASTM D-2457	125	120	
WETTING TENSION ²	T (P)	Dynes/cm	(min)		3	8	
WEITING TENSION-	NT (H)	Dynes/cm	(111111)	ASTM D-2578	-		
SEAL TEMPERATURE	NT/NT (H)	°C	•	Lower plate 80° C, 1 bar, 1 sec	106-112		
SEAL STRENGTH ³	NT/NT (H)	N/15 mm	(min)	width 15 mm	2.5	3.0	

Remark; Minimum (min), \geq mean the value specified must be higher than or equal to the min value.

YIELD & G.S.M. DATA

THICKNESS	YIELD	G.S.M	THICKNESS	YIELD	G.S.M
micron	m²/kg	g/m²	micron	m²/kg	g/m²
15	71.13-75.53	13.24-14.06	28	38.10-40.46	24.72-26.24
18	59.27-62.94	15.89-16.87	30	35.56-37.76	26.48-28.12
20	53.34-56.64	17.65-18.75	40	26.67-28.32	35.31-37.49
25	42.68-45.32	22.07-23.43	50	21.34-22.66	44.14-46.87

DESCRIPTION OF SUPPLY

PAPER CORE I.D. 76 mm (3 inches), 152 mm (6 inches) ROLL OUTSIDE DIAMETER max. 1000 mm

WIDTH RANGE 450 mm – 2500 mm (upon request) LENGTH RANGE standard 4000 m to 12000 m (upon request)

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Website: http://ajplast.com.vn/

Maximum (max), \leq mean the value specified must be less than or equal to the max value. 1 COF is measured after produced and the value can be changed during storage.

²Wetting tension is measured after produced and the value can be changed during storage.

³Treated side is designed for printing and lamination and not designed for sealant layer.





90% PIR, LOW SIT & LOW COF COEX BOPP Film

HLR is a BOPP film composed of 90% post-industrial resin (PIR) with both sides heat sealable. HLR is designed for VFFS/HFFS particularly suited.

(VFFS Vertical form fill seal) (HFFS Horizontal form fill seal)

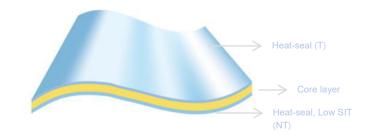
KEY FEATURES

- Sustainability solution
- Low initial sealing temperature (SIT) at NT side
- High heat-seal strength
- Good slip and anti-static properties
- Good dimensional stability

1: inside corona treatment Surface **Treatment** 2: outside corona treatment

Film class 300 (both sides heat-seal) Food contact FDA US CFR 177.1520

Commission Regulation (EU) No. 10/2011



TECHNICAL DATA	MD	Machine Direction	Т	Treated side
I LOTHNIOAL DATA	TD	Transverse Direction	NT	Non-Treated side

TYPICAL PROPERTIES	3	UNIT	Ī	TEST METHODS		TYPICAL VALU	E	
THICKNESS		micron		Micrometer	15,17,18	20,25	30,35,38,40,50	
AVERAGE THICKNESS VARIATION		micron		ASTM E-252-78		± 3%		
DENSITY		g/cm ³		ASTM D-1505	0.91			
TENSILE	MD	N/mm ²	(maim)	ASTM D-882	100	110	110	
STRENGTH	TD	N/IIIII-	(min)	A31WID-002	230	230	230	
ELONGATION	MD	%	(22.234)	ASTM D-882	250	250	250	
AT BREAK	TD	%	(max)	ASTM D-882	70	70	70	
DIMENSIONAL	MD	0/	()	ASTM D-1204		4.0		
STABILITY	TD	%	(max)	120°C, 5 minutes	2.0			
005 (1::	T/T		()	AOTM D 4004		0.35		
COF (kinetic) ¹	NT/NT	(max)		ASTM D-1894	0.35			
HAZE		%	(max)	ASTM D-1003-61	3	.0	3.5	
GLOSS (angle 60°)		GU	(min)	ASTM D-2457	1	10	110	
WETTING TENSION ²	Т	5 /			38			
WEITING TENSION	NT	Dynes/cm	(min)	ASTM D-2578		-		
CEAL TEMPEDATURE	T/T	°C		Lower plate 80° C,	125-	125-130		
SEAL TEMPERATURE	NT/NT	,		1 bar, 1 sec	106-112		106-112	
SEAL STRENGTHS	T/T	NI/4E marr	(maim)	width 45 mans	2.0			
SEAL STRENGTH ³	NT/NT	N/15 mm	(min)	width 15 mm	3.0			

Remark: mean the value specified must be higher than or equal to the min value. Minimum (min).

YIELD & G.S.M. DATA

	•				
THICKNESS	YIELD	G.S.M	THICKNESS	YIELD	G.S.M
micron	m²/kg	g/m²	micron	m²/kg	g/m²
15	71.13-75.53	13.24-14.06	30	35.56-37.76	26.48-28.12
17	62.76-66.64	15.01-15.93	35	30.48-32.37	30.89-32.81
18	59.27-62.94	15.89-16.87	38	28.08-29.81	33.54-35.62
20	53.34-56.64	17.65-18.75	40	26.67-28.32	35.31-37.49
25	42.68-45.32	22.07-23.43	50	21.34-22.66	44.14-46.87

DESCRIPTION OF SUPPLY

PAPER CORE I.D. 76 mm (3 inches), 152 mm (6 inches) ROLL OUTSIDE DIAMETER max. 1000 mm

WIDTH RANGE LENGTH RANGE 450 mm - 2500 mm (upon request) standard 4000 m to 12000 m (upon request)

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²Wetting tension is measured after produced and the value can be changed during storage.
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LOW SIT & LOW COF COEX BOPP Film

HSL is a BOPP film designed both sides heat-sealable for VFFS/HFFS particularly suited. (VFFS Vertical form fill seal) (HFFS Horizontal form fill seal)

KEY FEATURES

Low initial sealing temperature (SIT) at NT side

High heat-seal strength

Excellent slip and anti-static properties

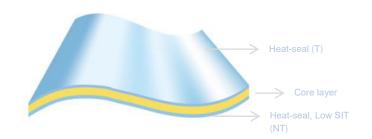
Excellent dimensional stability

Good printing on corona treated side

Surface 1: inside corona treatment
Treatment 2: outside corona treatment

Film class 300 (both sides heat-seal)
Food contact FDA US CFR 177.1520

Commission Regulation (EU) No. 10/2011



TECHNICAL DATA	MD	Machine Direction	Т	Treated side
ILCINICAL DATA	TD	Transverse Direction	NT	Non-Treated side

TYPICAL PROPERTIES		UNIT	•	TEST METHODS		TYPICA	L VALUE	ALUE	
THICKNESS		micron		Micrometer	15,17,18	20,21	25	30,35,38,40,50	
AVERAGE THICKNESS VARIATION		micron		ASTM E-252-78	± 3%				
DENSITY		g/cm ³		ASTM D-1505		C).91		
TENSILE	MD	N/mm ²	(maim)	ASTM D-882	12	20		125	
STRENGTH	TD	N/IIIII-	(min)	AS I WI D-002	24	40		250	
ELONGATION	MD	0/	()	ACTM D. 000	26	60		260	
AT BREAK	TD	%	(max)	ASTM D-882	75		75		
DIMENSIONAL	MD	0/	()	ASTM D-1204	4.5	4.0		4.0	
STABILITY	TD	%	(max)	120°C, 5 minutes	2.0 2.0		2.0		
OOF (Idia atia)1	T/T	(max)		A CTM D 4004	0.35				
COF (kinetic) ¹	NT/NT			ASTM D-1894	0.35				
HAZE		%	(max)	ASTM D-1003-61		;	3.0		
GLOSS (angle 60°)		GU	(min)	ASTM D-2457			110		
WETTING TENGLONI ²	Т	5 /			38				
WETTING TENSION ²	NT	Dynes/cm	(min)	ASTM D-2578	-				
OF AL TEMPERATURE	T/T	°C		Lower plate 80° C,	120-125		125-130	130-135	
SEAL TEMPERATURE	NT/NT	-0		1 bar, 1 sec	106-112		106-112	106-112	
OFAL OTDENOTUS	T/T	NI/45	(!)		2.0		2.0	2.0	
SEAL STRENGTH ³	NT/NT	N/15 mm	(min)	width 15 mm	3.0		3.0	3.0	

Remark;

Minimum (min),

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Maximum (max)

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YIELD & G.S.M. DATA

THICKNESS	YIELD	G.S.M	THICKNESS	YIELD	G.S.M
micron	m²/kg	g/m²	micron	m²/kg	g/m²
15	71.13-75.53	13.24-14.06	25	42.68-45.32	22.07-23.43
17	62.76-66.64	15.01-15.93	30	35.56-37.76	26.48-28.12
18	59.27-62.94	15.89-16.87	35	30.48-32.37	30.89-32.81
20	53.34-56.64	17.65-18.75	38	28.08-29.81	33.54-35.62
21	50.80-53.95	18.54-19.68	40	26.67-28.32	35.31-37.49
22	48.50-51.49	19.42-20.62	50	21.34-22.66	44.14-46.87

DESCRIPTION OF SUPPLY

PAPER CORE I.D. 76 mm (3 inches), 152 mm (6 inches) ROLL OUTSIDE DIAMETER max. 1000 mm

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Version: R01

Issue Date: 27th May 2023

Revised Date: xx.xx.xxxx

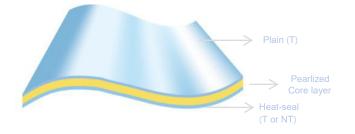
One Side Seal PEARLIZED BOPP Film

OHP a pearlized BOPP film with one side heat sealable layer for VFFS/HFFS. (VFFS Vertical form fill seal) (HFFS Horizontal form fill seal)

KEY FEATURES

- Pearlized premium looks
- Glossy appearance
- Good antistatic property
- Lower density & Higher yield
- Outstanding anti-static properties

Surface 1: inside corona treatment
Treatment 2: outside corona treatment
3: both sides corona treatment
100 or 200 (One heat-seal)
Food contact FDA US CFR 177.1520



TECHNICAL DATA	MD	Machine Direction	Т	Treated side
ILCINICAL DATA	TD	Transverse Direction	NT	Non-Treated side

				_		_		_	
TYPI	ICAL PROPERTIE	S	UNI	T	TEST METHODS	1	YPICAL VALU	E	
THICKNESS			micron		Micrometer	25,28	30	35,38,40	
AVERAGE THICKNES	SS VARIATION		micron		ASTM E-252-78	± 2	± 2	± 2	
DENSITY			g/cm ³		ASTM D-1505		0.70-0.76		
TENSILE		MD	N/mm ²	(main)	ASTM D-882	60	60	60	
STRENGTH		TD	IN/IIIIII	(min)	A5 I W D-002	100	120	120	
ELONGATION		MD	%	(main)	ASTM D-882	90	100	100	
AT BREAK		TD	76	(min)	A5 I W D-002	20	30	30	
DIMENSIONAL		MD	- %	(mov)	ASTM D-1204		3.0		
STABILITY		TD	76	(max)	120°C, 5 minutes	2.0			
COE (kinotio)1		T/T		(max)	ASTM D-1894	0.45			
COF (Killelic)	COF (kinetic) ¹			(ITIAX)	A31W D-1094	0.45			
OPACITY			%	(min)	Color meter		75		
GLOSS (angle 60°)			GU	(min)	ASTM D-2457		50		
	ONE SIDE	Р					38		
WETTING	TREATED	Н	Dynes/	(main)		-			
TENSION	BOTH SIDES	Р	cm	(min)	ASTM D-2578		38		
	TREATED	Н					36		
SEALING	ONE SIDE TREATED	H (NT/NT)	°C		lower plate 80°C	120	-125	125-130	
TEMPERATURE ³	BOTH SIDES TREATED	H (T/T)			1 bar, 1 sec	1 bar, 1 sec 130-135		130-135	
TREATER	ONE SIDE TREATED	H (NT/NT)	NI/4Enon-		1 bar, 1 sec,	2.0			
SEAL STRENGTH ³	BOTH SIDES TREATED	H (T/T)	N/15mm	(min)	width 15 mm	1.5			

Remark; Minimum (min), ≥ mean the value specified must be higher than or equal to the min value.

YIELD & G.S.M. DATA

THICKNESS	YIELD	G.S.M	THICKNESS	YIELD	G.S.M
micron	m²/kg	g/m²	micron	m²/kg	g/m²
25	48.73-62.11	16.10-20.52	35	35.56-43.29	23.10-28.12
28	43.86-54.95	18.20-22.80	38	32.89-39.68	25.20-30.40
30	41.12-51.02	19.60-24.32	40	31.33-37.59	26.60-31.92

DESCRIPTION OF SUPPLY

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COEX PEARLIZED BOPP Film

OP is a pearlized BOPP film with both sides heat sealable layer for VFFS/HFFS particularly suited. (VFFS Vertical form fill seal) (HFFS Horizontal form fill seal)

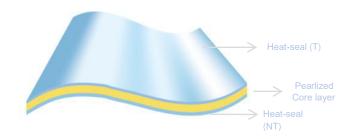
KEY FEATURES

- Pearlized premium looks
- Outstanding heat seal strength
- Good antistatic property
- Lower density & Higher yield
- Good printing on corona treated side

Surface 1: inside corona treatment
Treatment 2: outside corona treatment

Film class 300 (both sides heat-seal)
Food contact FDA US CFR 177.1520

FDA US CFR 177.1520 Commission Regulation (EU) No. 10/2011



TECHNICAL DATA	MD	Machine Direction	Т	Treated side
ILCINICAL DATA	TD	Transverse Direction	NT	Non-Treated side

TYPICAL PROPER	RTIES	UNIT		TEST METHODS	Ī	YPICAL VAI	LUE				
THICKNESS		micron		Micrometer	25	28	30,35,38	40	50,72		
AVERAGE THICKNESS VA	ARIATION	micron		ASTM E-252-78	± 2	± 2	± 2	± 2	± 2		
DENSITY		g/cm ³		ASTM D-1505		0.70-0.76					
TENSILE	MD	NI /ma ma 2	(maim)	ASTM D-882	6	60	60	6)		
STRENGTH	TD	N/mm ²	(min)	ASTWID-002	100		120	15	0		
ELONGATION	MD	0/	()	ACTM D. 000	Ś	90	100	12	0		
AT BREAK	TD	%	(max)	ASTM D-882	20		30	30 30			
DIMENSIONAL	MD	0/	% (max) ASTM D-1204			4.0					
STABILITY	TD	%	(max)	120°C, 5 minutes	2.0						
COT (kin atia)1	T/T	(may)		ASTM D-1894			0.50				
COF (kinetic) ¹	NT/NT		(max)	ASTWID-1094	0.50						
OPACITY		%	(min)	Color meter			75				
GLOSS (angle 60°)		GU	(min)	ASTM D-2457			35				
WETTING TENSION ²	Т	D /	(!)				38				
WEITING TENSION	NT	Dynes/cm	(min)	ASTM D-2578			-				
SEAL TEMPERATURE	T/T	°C		Lower plate 80° C,			130-135				
SEAL TEIMPERATURE	NT/NT			1 bar, 1 sec	120-125	125-130	125-130	125-130	130-135		
SEAL STRENGTH ³	T/T	N/15 mm	(min)	width 15 mm	2.0						
SEAL STRENGTH'	NT/NT	11/13 111111	(min)	mini ci inniw	2.0						

Remark;

YIELD & G.S.M. DATA

THICKNESS	YIELD	G.S.M	THICKNESS	YIELD	G.S.M
micron	m²/kg	g/m²	micron	m²/kg	g/m²
25	48.73-62.11	16.10-20.52	38	32.89-39.68	25.20-30.40
28	43.86-54.95	18.20-22.80	40	31.33-37.59	26.60-31.92
30	41.12-51.02	19.60-24.32	50	25.30-29.76	33.60-39.52
35	35.56-43.29	23.10-28.12	72	17.78-20.41	49.00-56.24

DESCRIPTION OF SUPPLY

PAPER CORE I.D. 76 mm (3 inches), 152 mm (6 inches) ROLL OUTSIDE DIAMETER max. 1000 mm

WIDTH RANGE 450 mm – 2500 mm (upon request) LENGTH RANGE standard 4000 m to 12000 m (upon request)

DISCLAIMER: The data and information contained herein are given purely as a guide. Technical information is furnished solely as reference concerning the mentioned product without any obligation, end users shall consider suitability for their own adoption & usage. As conditions of use may vary and are beyond our control A.J. Plast (Vietnam) undertakes no responsibility and liability for accuracy of any technical information and results obtained by usage of this product

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Minimum (min),

mean the value specified must be higher than or equal to the min value.

Maximum (max)

mean the value specified must be less than or equal to the max value.

Maximum (max), seemean the value specified must be less than or equal to the max value.

COF is measured after produced and the value can be changed during storage.

²Wetting tension is measured after produced and the value can be changed during storage.

³ Treated side is designed for printing and lamination and not designed for sealant layer.





P is plain BOPP film with corona treated designed for printing and laminating applications. Both side non-treated is designed for cutseal bag.

KEY FEATURES

- Corona treated side has good adhesion to ink and adhesive
- Excellent mechanical properties
- Excellent thermal stability
- Good optical properties
- Good resistance to oil and grease

Surface 0: non-treated

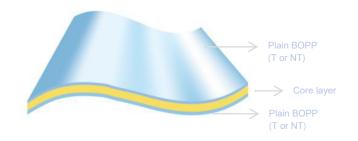
Treatment 1: inside corona treatment

2: outside corona treatment 3: both side corona treatment

Film class 000

FDA US CFR 177.1520 Food contact

Commission Regulation (EU) No. 10/2011



TECHNICAL DATA	MD	Machine Direction	T	Treated side	1	Inside
TEOTIMOAL DATA	TD	Transverse Direction	NT	Non-Treated side	0	Outside

TYPIC	AL PROPERT	IES	UNIT		TEST METHODS			TYPICAL VAL	.UE	
THICKNESS	3		micron		Micrometer	12,14,15	18,19	20,21,22,23	25,28,29,30 ,35,37,38	40,42,45,50
AVERAGE 1	HICKNESS VA	RIATION	micron		ASTM E-252-78			± 3%		
DENSITY			g/cm ³		ASTM D-1505			0.91		
TENSILE		MD	N1/2	(!)	ACTM D 000	130	130	130	120	110
STRENGTH		TD	N/mm ²	(min)	ASTM D-882	260	270	270	270	270
ELONGATIO	N	MD	0/	, ,	40TM D 000	210	210	210	210	210
AT BREAK		TD	%	(max)	ASTM D-882	70	70	70	70	70
DIMENSION	AL	MD	0/	()	ASTM D-1204	4	.5		4.0	
STABILITY		TD	%	(max)	120°C, 5 minutes	2	2.0		2.0	
OOF (1-1	\1	T/T		() ACTM D		0.50				
COF (kinetic),	NT/NT]	(max)	ASTM D-1894	0.50				
HAZE			%	(max)	ASTM D-1003-61	2	.0	2.0	2	.5
GLOSS (and	jle 60°)		GU	(min)	ASTM D-2457	14	45	145	14	45
	NON-TREAT	I						-		
		0						-		
WETTING	ONE SIDE	Т	D /	(!)		38				
TENSION ²	TREATED	NT	Dynes/cm	/cm (min) ASTM D-2578		-				
	BOTH SIDES	I]					38		
	TREATED	0						37		

Remark;

Minimum (min), mean the value specified must be higher than or equal to the min value.

Maximum (max), \leq mean the value specified must be less than or equal to the max value. 1 COF is measured after produced and the value can be changed during storage.

YIELD & G.S.M. DATA

THICKNESS	YIELD	G.S.M	THICKNESS	YIELD	G.S.M	THICKNESS	YIELD	G.S.M
micron	m²/kg	g/m²	micron	m²/kg	g/m²	micron	m²/kg	g/m²
12	88.91-94.41	10.59-11.25	22	48.50-51.49	19.42-20.62	37	28.83-30.62	32.66-34.68
14	76.21-80.92	12.36-13.12	23	46.39-49.26	20.30-21.56	38	28.08-29.81	33.54-35.62
15	71.13-75.53	13.24-14.06	25	42.68-45.32	22.07-23.43	40	26.67-28.32	35.31-37.49
18	59.27-62.94	15.89-16.87	28	38.10-40.46	24.72-26.24	42	25.40-26.97	37.07-39.37
19	56.15-59.63	16.77-17.81	29	36.79-39.07	25.60-27.18	45	23.71-25.18	39.72-42.18
20	53.34-56.64	17.65-18.75	30	35.56-37.76	26.48-28.12	48	22.23-23.60	42.37-44.99
21	50.80-53.95	18.54-19.68	35	30.48-32.37	30.89-32.81	50	21.34-22.66	44.14-46.87

DESCRIPTION OF SUPPLY

PAPER CORE I.D. 76 mm (3 inches), 152 mm (6 inches) **ROLL OUTSIDE DIAMETER** max. 1000 mm

standard 3000 m to 12000 m (upon request) WIDTH RANGE LENGTH RANGE 450 mm - 2500 mm (upon request)

DISCLAIMER: The data and information contained herein are given purely as a guide. Technical information is furnished solely as reference concerning the mentioned product without any obligation, end users shall consider suitability for their own adoption & usage. As conditions of use may vary and are beyond our control A.J. Plast (Vietnam) undertakes no responsibility and liability for accuracy of any technical information and results obtained by usage of this product

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²Wetting tension is measured after produced and the value can be changed during storage.





Version: PF-R01

Issue Date: 12th SEP 2023

Revised Date: xx.xx.xxxx

High Friction Plain BOPP Film

PF is high friction plain BOPP film. Corona treated side designed for printing and suitable for stack end used application.

KEY FEATURES

- High quality of printing
- Good adhesion to ink and adhesive
- Good mechanical properties
- Good clarity
- High surface friction on non-treated side

Surface 1: inside corona treatment
Treatment 2: outside corona treatment

Film class 000 (Plain film)

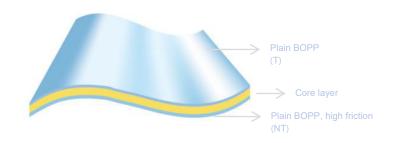
Food contact FDA US CFR 177.1520

Commission Regulation (EU) No. 10/2011

TECHNICAL DATA

MD Machine Direction T Treated side

TD Transverse Direction NT Non-Treated side



TYPICAL PROPE	RTIES	UNIT	Γ	TEST METHODS		TYPICAL VALUE 19,20 25,30 ± 3% 0.91 120 260 210 70 4.0 4.0 2.0 2.0 0.40-0.80 0.40-0.80 0.30-0.60		
THICKNESS		micron		Micrometer	15,18	19,20	25,30	
AVERAGE THICKNESS VARIAT	ION	micron		ASTM E-252-78		± 3%		
DENSITY		g/cm ³		ASTM D-1505		0.91		
TENSILE	MD	N/mm ²	(min)	ASTM D-882		120		
STRENGTH	TD	IN/IIIIII-	(11111)	ASTIVI D-002	260			
ELONGATION	MD	%	(may)	ASTM D-882	210			
AT BREAK	TD	% (max)		ASTIVI D-002	70			
DIMENSIONAL	MD	- %	(22.21)	ASTM D-1204	4.5	4.0	4.0	
STABILITY	TD	%	(max)	120°C, 5 minutes	2.0	2.0	2.0	
COF (static) ¹	T/T			ASTM D-1894	0.40-0.80			
COF (Static)	NT/NT			A3 TWI D-1094	260 210 882 70 204 4.5 4.0 4.0 nutes 2.0 2.0 2.0 894 0.40-0.80 0.30-0.60 0.35-0.60 03-61 2.0			
COF (kinetic) ¹	T/T			ASTM D-1894		0.30-0.60		
COF (kinetic)	NT/NT			AS TWI D-1694		0.35-0.60		
HAZE		%	(max)	ASTM D-1003-61		2.0		
GLOSS (angle 60°)		GU	(min)	ASTM D-2457	145			
WETTING TENSION ²	Т	Dum e e /eme	(main)		38			
	NT	Dynes/cm	(min)	ASTM D-2578		-		

Remark; Minimum (min), ≥ mean the value specified must be higher than or equal to the min value.

YIELD & G.S.M. DATA

THICKNESS micron	YIELD m²/kg	G.S.M g/m²	THICKNESS micron	YIELD m²/kg	G.S.M g/m²
15	71.13-75.53	13.24-14.06	20	53.34-56.64	17.65-18.75
18	59.27-62.94	15.89-16.87	25	42.68-45.32	22.07-23.43
19	56.15-59.63	16.77-17.81	30	35.56-37.76	26.48-28.12

DESCRIPTION OF SUPPLY

PAPER CORE I.D. 76 mm (3 inches), 152 mm (6 inches) ROLL OUTSIDE DIAMETER max. 1000 mm

WIDTH RANGE 450 mm – 2500 mm (upon request) LENGTH RANGE standard 6000 m to 24000 m (upon request)

DISCLAIMER: The data and information contained herein are given purely as a guide. Technical information is furnished solely as reference concerning the mentioned product without any obligation, end users shall consider suitability for their own adoption & usage. As conditions of use may vary and are beyond our control A.J. Plast (Vietnam) undertakes no responsibility and liability for accuracy of any technical information and results obtained by usage of this product

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Website: http://ajplast.com.vn/

Maximum (max), ≤ mean the value specified must be less than or equal to the max value.

[†] COF is measured after produced and the value can be changed during storage.

**Wetting tension is measured after produced and the value can be changed during storage.





Plain BOPP Film, High Printing Quality

PJ is a special plain BOPP film designed for high print quality applications also offering excellent ink bond strength and good lamination qualities.

KEY FEATURES

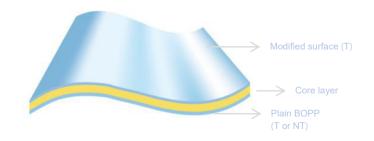
- Excellent adhesion to ink
- Excellent mechanical properties
- Good thermal stability
- Excellent optical properties
- High printing quality
- Good resistance to oil and grease

Surface 1: inside corona treatment
Treatment 2: outside corona treatment
3: both side corona treatment

Film class 00

Food contact FDA US CFR 177.1520

Commission Regulation (EU) No. 10/2011



TECHNICAL DATA	MD	Machine Direction	Т	Treated side	- 1	Inside
TECHNICAL DATA	TD	Transverse Direction	NT	Non-Treated side	0	Outside

TYPICA	L PROPERTIE	S	UNIT		TEST METHODS		TYPICAL VALUE		
THICKNESS	THICKNESS				Micrometer	15	18,20,23,25,28,30	38,40,50	
AVERAGE THIC	AVERAGE THICKNESS VARIATION				ASTM E-252-78		± 3%		
DENSITY			g/cm ³		ASTM D-1505		0.91		
TENSILE		MD	N1/2	(!)	ACTM D 000		130	110	
STRENGTH		TD	N/mm ²	(min)	ASTM D-882	270		270	
ELONGATION		MD	0/	, ,	40TM D 000		210	210	
AT BREAK		TD	%	(max)	ASTM D-882	70		70	
DIMENSIONAL		MD	% (max)	ASTM D-1204	5.0	5.0 4.0			
STABILITY		TD	%	(max)	120°C, 5 minutes	2.0 2.0			
005 (1: 1:)1		T/T		, ,	ASTM D-1894	0.45			
COF (kinetic) ¹		NT/NT		(max)		0.45			
HAZE			%	(max)	ASTM D-1003-61		2.0		
GLOSS (angle 60	D°)		GU	(min)	ASTM D-2457		145		
	ONE SIDE	Т					38		
WETTING	TREATED	NT	D /	(!)			-		
TENSION ²	BOTH SIDES	I	Dynes/cm	Dynes/cm (min)	ASTM D-2578	38	38 38		
	TREATED	0				36	36 37		

Remark;

Minimum (min), ≥

mean the value specified must be higher than or equal to the min value.

YIELD & G.S.M. DATA

THICKNESS	YIELD	G.S.M	THICKNESS	YIELD	G.S.M
micron	m²/kg	g/m²	micron	m²/kg	g/m²
15	71.13-75.53	13.24-14.06	28	38.10-40.46	24.72-26.24
18	59.27-62.94	15.89-16.87	30	35.56-37.76	26.48-28.12
20	53.34-56.64	17.65-18.75	38	28.08-29.81	33.54-35.62
23	46.39-49.26	20.30-21.56	40	26.67-28.32	35.31-37.49
25	42.68-45.32	22.07-23.43	50	21.34-22.66	44.14-46.87

DESCRIPTION OF SUPPLY

PAPER CORE I.D. 76 mm (3 inches), 152 mm (6 inches) ROLL OUTSIDE DIAMETER max. 1000 mm

WIDTH RANGE 450 mm – 2500 mm (upon request) LENGTH RANGE standard 4000 m to 12000 m (upon request)

DISCLAIMER: The data and information contained herein are given purely as a guide. Technical information is furnished solely as reference concerning the mentioned product without any obligation, end users shall consider suitability for their own adoption & usage. As conditions of use may vary and are beyond our control A.J. Plast (Vietnam) undertakes no responsibility and liability for accuracy of any technical information and results obtained by usage of this product

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²Wetting tension is measured after produced and the value can be changed during storage.





Version: R01

Issue Date: 29th May 2023

Revised Date: xx.xx.xxxx

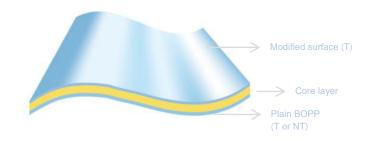
30% PIR Plain BOPP Film

PJR is a special plain BOPP film composed of 30% post-industrial resin (PIR) which is internally reprocess from BOPP film by A.J. PLAST. PJR is designed for high print quality applications also offering excellent ink bond strength and good lamination qualities.

KEY FEATURES

- Sustainability solution
- High printing quality
- Good mechanical properties
- Good optical properties
- Good resistance to oil and grease
- Outstanding anti-static performance

Surface
Treatment
2: outside corona treatment
3: both side corona treatment
Film class
000
Food contact
FDA US CFR 177.1520
Commission Regulation (EU) No. 10/2011



TECHNICAL DATA	MD	Machine Direction	Т	Treated side	- 1	Inside
I E O I I I I I I I I I I I I I I I I I	TD	Transverse Direction	NT	Non-Treated side	0	Outside

TY	PICAL PROPERTII	ES	UNIT		TEST METHODS	TYPICAL VALUE		
THICKNESS			micron		Micrometer	18,20,23,25,28	30,40,50	
AVERAGE THICK	AVERAGE THICKNESS VARIATION				ASTM E-252-78	± 3	%	
DENSITY			g/cm ³		ASTM D-1505	0.9)1	
TENSILE		MD	NI /mama?	(main)	ACTM D 000	120	110	
STRENGTH		TD	N/mm ²	(min)	ASTM D-882	260	260	
ELONGATION		MD	%	(max)	ASTM D-882	220	220	
AT BREAK		TD	%		AG 1 WI D-002	70	70	
DIMENSIONAL		MD	%	(max)	ASTM D-1204	4.	4.5	
STABILITY		TD	70 (IIIdX)		120°C, 5 minutes	2.0		
005 (1-1		T/T	, ,		ACTM D 4004	0.40		
COF (kinetic) ¹		NT/NT		(max)	ASTM D-1894	0.40		
HAZE			%	(max)	ASTM D-1003-61	3.0	3.5	
GLOSS (angle 60	°)		GU	(min)	ASTM D-2457	140	145	
	ONE SIDE	Т				38	38	
WETTING	TREATED	NT	D /	(!)		-	-	
TENSION ²	BOTH SIDES	CORONA (I)	Dynes/cm	(min)	ASTM D-2578	38	38	
	TREATED	CORONA (O)				37	37	

emark; Minimum (min), ≥ mean the value specified must be higher than or equal to the min value

YIELD & G.S.M. DATA

THICKNESS	YIELD	G.S.M	THICKNESS	YIELD	G.S.M
micron	m²/kg	g/m²	micron	m²/kg	g/m²
18	59.27-62.94	15.89-16.87	28	38.10-40.46	24.72-26.24
20	53.34-56.64	17.65-18.75	30	35.56-37.76	26.48-28.12
23	46.39-49.26	20.30-21.56	40	26.67-28.32	35.31-37.49
25	42.68-45.32	22.07-23.43	50	21.34-22.66	44.14-46.87

DESCRIPTION OF SUPPLY

PAPER CORE I.D. 76 mm (3 inches), 152 mm (6 inches) ROLL OUTSIDE DIAMETER max. 1000 mm

WIDTH RANGE 450 mm – 2500 mm (upon request) LENGTH RANGE standard 3000 m to 12000 m (upon request)

DISCLAIMER: The data and information contained herein are given purely as a guide. Technical information is furnished solely as reference concerning the mentioned product without any obligation, end users shall consider suitability for their own adoption & usage. As conditions of use may vary and are beyond our control A.J. Plast (Vietnam) undertakes no responsibility and liability for accuracy of any technical information and results obtained by usage of this product

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Website: http://ajplast.com.vn/

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²Wetting tension is measured after produced and the value can be changed during storage.





Low Haze and Low COF Plain BOPP Film

PL is a low friction plain BOPP film. Corona treated side is designed for printing and lamination applications.

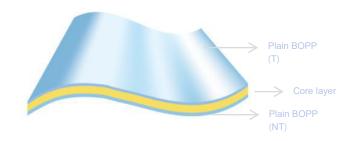
KEY FEATURES

- Low COF on non-treated side
- Good adhesion to ink and adhesive
- Good mechanical properties
- Thermal stability
- Outstanding anti-static performance

Surface 1: inside corona treatment
Treatment 2: outside corona treatment

Film class 000

Food contact FDA US CFR 177.1520
Commission Regulation (EU) No. 10/2011



TECHNICAL DATA	MD	Machine Direction	Т	Treated side
I E O I I I I O A E DATA	TD	Transverse Direction	NT	Non-Treated side

TYPICAL PROPERTIES		UNIT		TEST METHODS		TYPICAL VALUE			
THICKNESS		micron		Micrometer	17,18,19	20,21	25,28,30,38,40,50		
AVERAGE T	HICKNESS VARIA	TION	micron		ASTM E-252-78		± 3%	•	
DENSITY			g/cm ³		ASTM D-1505		0.91		
TENSILE		MD	N/mm ²	N/ 2 / 1 N		130	130	120	
STRENGTH		TD	IN/IIIIII-	(min)	ASTM D-882	270	270	270	
ELONGATIO	N	MD	0/	(22.214)	x) ASTM D-882 -	210	210	210	
AT BREAK		TD	%	(max)		70	70	70	
DIMENSION	AL	MD	- %	(max)	ASTM D-1204	4.5	4.0	4.0	
STABILITY		TD	70		120°C, 5 minutes	2.0	2.0	2.0	
COT (kin atia	.1	T/T		(22.214)	ACTM D 4004	0.50			
COF (kinetic	,.	NT/NT		(max)	ASTM D-1894	0.35			
HAZE			%	(max)	ASTM D-1003-61	1.5	1.5	1.5	
GLOSS (angle 60°)		GU	(min)	ASTM D-2457	145	145	145		
WETTING	ONE SIDE	Т	Dumas /am	(main)			38	_	
TENSION ²	TREATED	NT	Dynes/cm	(min)	ASTM D-2578		-		

Remark;

Minimum (min), ≥ mean the value specified must be higher than or equal to the min value.

YIELD & G.S.M. DATA

THICKNESS	YIELD	G.S.M	THICKNESS	YIELD	G.S.M
micron	m²/kg	g/m²	micron	m²/kg	g/m²
17	62.76-66.64	15.01-15.93	28	38.10-40.46	24.72-26.24
18	59.27-62.94	15.89-16.87	30	35.56-37.76	26.48-28.12
19	56.15-59.63	16.77-17.81	38	28.08-29.81	33.54-35.62
20	53.34-56.64	17.65-18.75	40	26.67-28.32	35.31-37.49
21	50.80-53.95	18.54-19.68	50	21.34-22.66	44.14-46.87
25	42.68-45.32	22.07-23.43			

DESCRIPTION OF SUPPLY

PAPER CORE I.D. 76 mm (3 inches), 152 mm (6 inches) ROLL OUTSIDE DIAMETER max. 1000 mm

WIDTH RANGE 450 mm – 2500 mm (upon request) LENGTH RANGE standard 3000 m to 12000 m (upon request)

DISCLAIMER: The data and information contained herein are given purely as a guide. Technical information is furnished solely as reference concerning the mentioned product without any obligation, end users shall consider suitability for their own adoption & usage. As conditions of use may vary and are beyond our control A.J. Plast (Vietnam) undertakes no responsibility and liability for accuracy of any technical information and results obtained by usage of this product

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Maximum (max), \leq mean the value specified must be less than or equal to the max value. 1 COF is measured after produced and the value can be changed during storage.

²Wetting tension is measured after produced and the value can be changed during storage.





Low Friction Plain BOPP Film

PLL is a low friction plain BOPP film. Corona treated side is designed for printing and lamination applications.

KEY FEATURES

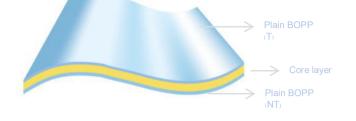
- Low friction
- Goof clarity
- Good adhesion to ink and adhesive
- Good mechanical properties
- Outstanding anti-static performance

Surface 1: inside corona treatment
Treatment 2: outside corona treatment

Film class 000

Food contact FDA US CFR 177.1520

Commission Regulation (EU) No. 10/2011



TECHNICAL DATA	MD	Machine Direction	- 1	I reated side
TEGINIOAE BATA	TD	Transverse Direction	NT	Non-Treated side

T	PICAL PROPER	RTIES	UNIT	Ī	TEST METHODS		TYPICAL VALUE		
THICKNESS		micron		Micrometer	15,17,18,19	20,21	25,28,30,38,40,50		
AVERAGE T	HICKNESS VARIA	ATION	micron		ASTM E-252-78		± 3%		
DENSITY			g/cm ³		ASTM D-1505		0.91		
TENSILE	TENSILE MD		N/mm²	(min)	ASTM D-882	130	130	120	
STRENGTH		TD	IN/IIIIII	(111111)	A3 1 W D-002	270	270	270	
ELONGATIO	N	MD		move	ASTM D-882	210	210	210	
AT BREAK		TD	%	(max)		70	70	70	
DIMENSION	AL	MD		% (max)	ASTM D-1204	4.5	4.0	4.0	
STABILITY		TD	%		120°C, 5 minutes	2.0	2.0	2.0	
COF (kinetic)	1	T/T		move	ASTM D-1894	0.10-0.35			
COF (KITIELIC)		NT/NT		(max)	ASTIVI D-1094	0.10-0.35			
HAZE			%	(max)	ASTM D-1003-61	2.0	2.0	2.0	
GLOSS (ang	GLOSS (angle 60°)		GU	(min)	ASTM D-2457	145	145	145	
WETTING	ONE SIDE	Т	Dumas am	malin		38			
TENSION ²	TREATED	NT	- Dynes/cm	(min)	ASTM D-2578		-		

Remark;

Minimum (min), ≥ mean the value specified must be higher than or equal to the min value.

YIELD & G.S.M. DATA

THICKNESS	YIELD	G.S.M	THICKNESS	YIELD	G.S.M
micron	m²/kg	g/m²	micron	m²/kg	g/m²
17	62.76-66.64	15.01-15.93	28	38.10-40.46	24.72-26.24
18	59.27-62.94	15.89-16.87	30	35.56-37.76	26.48-28.12
19	56.15-59.63	16.77-17.81	38	28.08-29.81	33.54-35.62
20	53.34-56.64	17.65-18.75	40	26.67-28.32	35.31-37.49
21	50.80-53.95	18.54-19.68	50	21.34-22.66	44.14-46.87
25	42.68-45.32	22.07-23.43			

DESCRIPTION OF SUPPLY

PAPER CORE I.D. 76 mm (3 inches), 152 mm (6 inches) ROLL OUTSIDE DIAMETER max. 1000 mm

WIDTH RANGE 450 mm – 2500 mm (upon request) LENGTH RANGE standard 3000 m to 12000 m (upon request)

DISCLAIMER: The data and information contained herein are given purely as a guide. Technical information is furnished solely as reference concerning the mentioned product without any obligation, end users shall consider suitability for their own adoption & usage. As conditions of use may vary and are beyond our control A.J. Plast (Vietnam) undertakes no responsibility and liability for accuracy of any technical information and results obtained by usage of this product

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¹COF is measured after produced and the value can be changed during storage.

²Wetting tension is measured after produced and the value can be changed during storage.





Low Friction Plain BOPP Film

PLL is a low friction plain BOPP film. Corona treated side is designed for printing and lamination applications.

KEY FEATURES

- Low friction
- Goof clarity
- Good adhesion to ink and adhesive
- Good mechanical properties
- Outstanding anti-static performance

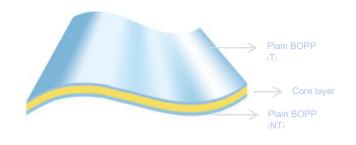
Surface 1: inside corona treatment Treatment 2: outside corona treatment

Film class

Food contact FDA US CFR 177.1520

Commission Regulation (EU) No. 10/2011





TYPICAL PROPERTIES		UNIT		TEST METHODS		TYPICAL VALUE			
THICKNESS			micron		Micrometer	17,18,19	20,21	25,28,30,38,40,50	
AVERAGE T	AVERAGE THICKNESS VARIATION				ASTM E-252-78		± 3%		
DENSITY			g/cm ³		ASTM D-1505		0.91		
TENSILE		MD	N/mm²	(min)	ASTM D-882	130	130	120	
STRENGTH		TD	IN/IIIIII	(111111)	A31W D-002	270	270	270	
ELONGATION	N	MD	0/	(max)	ASTM D-882	210	210	210	
AT BREAK		TD	%	(IIIax)	7.0 TWI D-002	70	70	70	
DIMENSIONA	NL	MD	0/	(max)	ASTM D-1204	4.5	4.0	4.0	
STABILITY		TD	%	(IIIax)	120°C, 5 minutes	2.0	2.0	2.0	
COF (kinetic)	1	T/T		(max)	ASTM D-1894	0.10-0.35			
COI (KIIIELIC)		NT/NT		(IIIax)	A31W D-1094	0.10-0.35			
HAZE			%	(max)	ASTM D-1003-61	2.0	2.0	2.0	
GLOSS (angle 60°)		GU	(min)	ASTM D-2457	145	145	145		
WETTING	ONE SIDE	Т	Dunos om		107110.0570	38			
	TREATED	NT	- Dynes/cm	(min)	ASTM D-2578		-		

Remark:

Minimum (min). mean the value specified must be higher than or equal to the min value.

YIELD & G.S.M. DATA

THICKNESS	YIELD m²/kg	G.S.M g/m²	THICKNESS	YIELD m²/kg	G.S.M g/m²
micron	III /kg	9/111	micron	III /kg	9/111
17	62.76-66.64	15.01-15.93	28	38.10-40.46	24.72-26.24
18	59.27-62.94	15.89-16.87	30	35.56-37.76	26.48-28.12
19	56.15-59.63	16.77-17.81	38	28.08-29.81	33.54-35.62
20	53.34-56.64	17.65-18.75	40	26.67-28.32	35.31-37.49
21	50.80-53.95	18.54-19.68	50	21.34-22.66	44.14-46.87
25	42.68-45.32	22.07-23.43			

DESCRIPTION OF SUPPLY

PAPER CORE I.D. 76 mm (3 inches), 152 mm (6 inches) **ROLL OUTSIDE DIAMETER** max. 1000 mm

WIDTH RANGE LENGTH RANGE 450 mm - 2500 mm (upon request) standard 3000 m to 12000 m (upon request)

DISCLAIMER: The data and information contained herein are given purely as a guide. Technical information is furnished solely as reference concerning the mentioned product without any obligation, end users shall consider suitability for their own adoption & usage. As conditions of use may vary and are beyond our control A.J. Plast (Vietnam) undertakes no responsibility and liability for accuracy of any technical information and results obtained by usage of this product

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Version: R01 Issue Date: 12th May 2025 Revised Date: xx xx xxxx

mean the value specified must be less than or equal to the max value. Maximum (max).

[†] COF is measured after produced and the value can be changed during storage.

**Wetting tension is measured after produced and the value can be changed during storage.





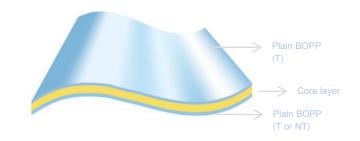
90% PIR Plain BOPP Film, Low Friction

PLR is a plain BOPP film composed of 90% post-industrial resin (PIR) is internally reprocess from BOPP film by A.J. PLAST. Corona treated side is designed for printing and lamination applications.

KEY FEATURES

- Sustainability solution
- Low COF on non-treated side
- Good adhesion to ink and adhesive
- Good mechanical properties
- Thermal stability
- Outstanding anti-static performance

Surface 1: inside corona treatment 2: outside corona treatment3: both side corona treatment Treatment Film class 000 FDA US CFR 177.1520 Food contact Commission Regulation (EU) No. 10/2011



TECHNICAL DATA	MD	Machine Direction	Т	Treated side	1	Inside
TEGINIOAE DATA	TD	Transverse Direction	NT	Non-Treated side	0	Outside

T'	YPICAL PROPER	TIES	UNIT		TEST METHODS		TYPICAL VALUE			
THICKNESS			micron		Micrometer	17,18,19	20,21	25,28,30,38,40,50		
AVERAGE 1	HICKNESS VARIA	TION	micron		ASTM E-252-78		± 3%			
DENSITY			g/cm ³		ASTM D-1505		0.91			
TENSILE		MD	N1 (2	,	40TM D 000		110			
STRENGTH		TD	N/mm ²	(min)	ASTM D-882		250			
ELONGATIO	N	MD	0/	, ,	40TM D 000		230			
AT BREAK		TD	%	% (max) ASTM D-882			70			
DIMENSION	AL	MD	0/	(max)	6 (max)	(max)	ASTM D-1204	4.5	4.0	4.0
STABILITY		TD	%				120°C, 5 minutes	2.0	2.0	2.0
005 (1:1:+1:-	\1	T/T		()	ACTM D 4004		0.50			
COF (kinetic).	NT/NT		(max)	ASTM D-1894		0.35			
HAZE			%	(max)	ASTM D-1003-61	3.0	3.0	3.5		
GLOSS (and	le 60°)		GU	(min)	ASTM D-2457	140	140	140		
	ONE SIDE	Т					38			
WETTING	TREATED	NT] ,				-			
TENSION ²	BOTH SIDES	CORONA (I)	Dynes/cm	(min)	ASTM D-2578		38			
	TREATED	CORONA (O)				37				

Remark:

YIELD & G.S.M. DATA

THICKNESS micron	YIELD m²/kg	G.S.M g/m²	THICKNESS micron	YIELD m²/kg	G.S.M g/m²
17	62.76-66.64	15.01-15.93	28	38.10-40.46	24.72-26.24
18	59.27-62.94	15.89-16.87	30	35.56-37.76	26.48-28.12
19	56.15-59.63	16.77-17.81	38	28.08-29.81	33.54-35.62
20	53.34-56.64	17.65-18.75	40	26.67-28.32	35.31-37.49
21	50.80-53.95	18.54-19.68	50	21.34-22.66	44.14-46.87
25	42.68-45.32	22.07-23.43			

DESCRIPTION OF SUPPLY

PAPER CORE I.D. **ROLL OUTSIDE DIAMETER** 76 mm (3 inches), 152 mm (6 inches)

max. 1000 mm

WIDTH RANGE 450 mm - 2500 mm (upon request) LENGTH RANGE

standard 3000 m to 12000 m (upon request)

DISCLAIMER: The data and information contained herein are given purely as a guide. Technical information is furnished solely as reference concerning the mentioned product without any obligation, end users shall consider suitability for their own adoption & usage. As conditions of use may vary and are beyond our control A.J. Plast (Vietnam) undertakes no responsibility and liability for accuracy of any technical information and results obtained by usage of this product

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Minimum (min).

mean the value specified must be higher than or equal to the min value. mean the value specified must be less than or equal to the max value.

Maximum (max), ≤ mean the value specified must be less trian or equal ¹ COF is measured after produced and the value can be changed during storage

²Wetting tension is measured after produced and the value can be changed during storage.





Version: PM-R02

Issue Date: 27th May 2023

Revised Date: 31st July 2023

PM is BOPP film with matt finished one side and other glossy side for printing and laminating.

KEY FEATURES

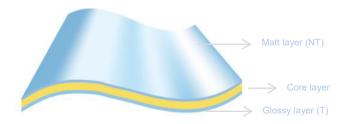
- High haze
- Very fine look of matt layer
- Good dimensional stability
- Outstanding printability
- Density 0.80 g/cm³

Surface 1: inside corona treatment Treatment 2: outside corona treatment

Film class 000

Food contact FDA US CFR 177.1520

Commission Regulation (EU) No. 10/2011



TECHNICAL DATA

MD Machine Direction M Matt side
TD Transverse Direction NT Non-Treated side

TYPICAL PROPERT	IES	UNIT		TEST METHODS	TYPICAL VALUE			
THICKNESS		micron		Micrometer	13,15	18	20,30	
AVERAGE THICKNESS VARIATI	NC	micron		ASTM E-252-78	± 2	± 2	± 2	
DENSITY		g/cm ³		ASTM D-1505		0.77-0.84		
TENSILE	MD	N/mm ² (min)	(:)	2 (main)	ACTM D 000	90	100	100
STRENGTH	TD	IN/IIIII-	(min)	ASTM D-882	150	150	170	
ELONGATION	MD	% (max)		ASTM D-882	210	210	210	
AT BREAK	TD	70	(max)	A3 1W D-002	70	70	70	
DIMENSIONAL	MD	%	(22.21)	ASTM D-1204	4.5 4.0		.0	
STABILITY	TD	70	(max)	120°C, 5 minutes	2.0	2.0		
COF (kinetie)1	M/M		(22.21)	ASTM D-1894	0.60			
COF (kinetic) ¹	G/G		(max)		0.60			
HAZE		%	(min)	ASTM D-1003-61	70	7	5	
GLOSS (angle 85°)	М	GU	(max)	ASTM D-2457	ASTM D-2457 20 15		5	
WETTING TENSION ²	G	Dynes/cm	(min)	ASTM D-2578	38			

Remark; Minimum (min), ≥ mean the v

mean the value specified must be higher than or equal to the min value

YIELD & G.S.M. DATA

THICKNESS	YIELD	G.S.M
micron	m²/kg	g/m²
13	79.37-118.06	8.47-12.60
15	70.03-99.90	10.01-14.28
18	59.52-81.17	12.32-16.80
20	54.11-72.15	13.86-18.48
30	37.20-46.48	21.56-26.88

DESCRIPTION OF SUPPLY

PAPER CORE I.D. 76 mm (3 inches), 152 mm (6 inches) ROLL OUTSIDE DIAMETER max. 1000 mm

WIDTH RANGE 450 mm – 2500 mm (upon request) LENGTH RANGE standard 4000 m to 12000 m (upon request)

DISCLAIMER: The data and information contained herein are given purely as a guide. Technical information is furnished solely as reference concerning the mentioned product without any obligation, end users shall consider suitability for their own adoption & usage. As conditions of use may vary and are beyond our control A.J. Plast (Vietnam) undertakes no responsibility and liability for accuracy of any technical information and results obtained by usage of this product

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Website: http://ajplast.com.vn/

Maximum (max), \leq mean the value specified must be less than or equal to the max value. 1 COF is measured after produced and the value can be changed during storage.

²Wetting tension is measured after produced and the value can be changed during storage.





Version: PMF-R01

Issue Date: 9th Sep 2023

Revised Date: xx.xx.xxxx

High Friction MATT BOPP Film

PMF is high friction matt BOPP film with other glossy side for printing and laminating.

KEY FEATURES

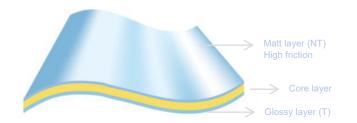
- High friction
- Very fine look of matt layer
- Good dimensional stability
- Outstanding printability
- Density 0.80 g/cm³

Surface 1: inside corona treatment Treatment 2: outside corona treatment

Film class 000

Food contact FDA US CFR 177.1520

Commission Regulation (EU) No. 10/2011



TECHNICAL DATA	MD	Machine Direction	M	Matt side
I E O I I I I O A I A	TD	Transverse Direction	NT	Non-Treated side

TYPICAL PROPERTI	ES	UNIT		TEST METHODS	THODS TYPICA				
THICKNESS		micron		Micrometer	15	18	20,30		
AVERAGE THICKNESS VARIATION	ON	micron		ASTM E-252-78	± 2	± 2	± 2		
DENSITY		g/cm ³		ASTM D-1505		0.77-0.84			
TENSILE	MD	N/mm ²	(main)	ASTM D-882	90	100	100		
STRENGTH	TD	IN/IIIII-	(min)	AS I WI D-002	150	150	170		
ELONGATION	MD	0/	()	0/ (2001)	% (max)	ACTM D 000	210	210	210
AT BREAK	TD	70	(max)	ASTM D-882	70	70	70		
DIMENSIONAL	MD	%	(22.23)	ASTM D-1204	4.5	4	.0		
STABILITY	TD	70	(max)	120°C, 5 minutes	2.0	2	.0		
005 (-+-+)1	M/M					0.40-0.80			
COF (static) ¹	G/G				0.20-0.60				
005 (1::+:-)1	M/M		()	ACTM D 4004	0.40-0.60				
COF (kinetic) ¹	G/G]	(max)	ASTM D-1894		0.20-0.50			
HAZE		%	(min)	ASTM D-1003-61	70	7	5		
GLOSS (angle 85°)	М	GU	(max)	ASTM D-2457	20	20 15			
WETTING TENSION ²	G	Dynes/cm	(min)	ASTM D-2578	38				

Remark; Minimum (min),

mean the value specified must be higher than or equal to the min value.

Maximum (max),

mean the value specified must be less than or equal to the max value.

YIELD & G.S.M. DATA

THICKNESS	YIELD	G.S.M
micron	m²/kg	g/m²
15	70.03-99.90	10.01-14.28
18	59.52-81.17	12.32-16.80
20	54.11-72.15	13.86-18.48
30	37.20-46.48	21.56-26.88

DESCRIPTION OF SUPPLY

PAPER CORE I.D. 76 mm (3 inches), 152 mm (6 inches) ROLL OUTSIDE DIAMETER max. 1000 mm

WIDTH RANGE 450 mm – 2500 mm (upon request) LENGTH RANGE standard 4000 m to 12000 m (upon request)

DISCLAIMER: The data and information contained herein are given purely as a guide. Technical information is furnished solely as reference concerning the mentioned product without any obligation, end users shall consider suitability for their own adoption & usage. As conditions of use may vary and are beyond our control A.J. Plast (Vietnam) undertakes no responsibility and liability for accuracy of any technical information and results obtained by usage of this product

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Website: http://ajplast.com.vn/

¹COF is measured after produced and the value can be changed during storage.

²Wetting tension is measured after produced and the value can be changed during storage.





Version: TDS-VN-PML-R01

Issue Date: 5th Jan 2024

Revised Date: xx.xx.xxxx

MATT BOPP Film For Thermal Lamination

PML is a specially designed matt BOPP film for thermal lamination.

KEY FEATURES

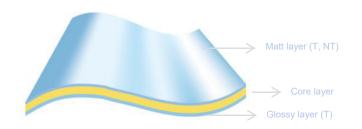
- Very fine matt appearance
- Good dimensional stability
- Density 0.86 g/cm³

Surface 1: inside corona treatment
Treatment 2: outside corona treatment
3: both side corona treatment

Film class 000 (plain)

Food contact FDA US CFR 177.1520

Commission Regulation (EU) No. 10/2011



TECHNICAL DATA	MD	Machine Direction	M	Matt side	Т	Treated side
TEOTIMORE DATA	TD	Transverse Direction	G	Glossy side	NT	Non-Treated side

TYPICAL PROPERTIES		UNIT		TEST METHODS		TYPICAL VALUE			
THICKNESS		micron		Micrometer	12,13	15	18,20		
AVERAGE THICKNESS VAF	RIATION	micron		ASTM E-252-78	± 2	± 2	± 2		
DENSITY		g/cm ³		ASTM D-1505		0.84-0.88			
TENSILE	MD	N/mm²	(i)	ACTM D 000	80	90	100		
STRENGTH	TD	N/mm-	(min)	ASTM D-882	140	150	170		
ELONGATION	MD	%	()	ACTM D 000	210	210	210		
AT BREAK	TD	%	(max)	(max)	(max)	ASTM D-882	70	70	70
DIMENSIONAL	MD	0/	()	ASTM D-1204	4	.5	4.0		
STABILITY	TD	%	(max)	(IIIdX)	120°C, 5 minutes		2	2.0	
	M/M (T)					0.60			
COF (kinetic) ¹	M/M (NT)		(max)	ASTM D-1894	0.60				
	G/G (T)				0.60				
HAZE		%	(min)	ASTM D-1003-61	70.0				
GLOSS (angle 85°)	M	GU	(max)	ASTM D-2457		20.0			
	G (T)					38			
WETTING TENSION ²	M (T)	Dynes/cm	(min)	ASTM D-2578		37			
	M (NT)				< 34				

Remark; Minimum (min), Maximum (max), mean the value specified must be higher than or equal to the min value

YIELD & G.S.M. DATA

THICKNESS	YIELD	G.S.M
micron	m²/kg	g/m²
12	81.17-119.05	8.40-12.32
13	75.76-108.23	9.24-13.20
15	66.84-91.58	10.92-14.96
18	56.82-74.40	13.44-17.60
20	51.65-66.14	15.12-19.36

DESCRIPTION OF SUPPLY

PAPER CORE I.D. 76 mm (3 inches), 152 mm (6 inches) ROLL OUTSIDE DIAMETER max. 1000 mm

WIDTH RANGE 450 mm – 2500 mm (upon request) LENGTH RANGE standard 4000 m to 12000 m (upon request)

DISCLAIMER: The data and information contained herein are given purely as a guide. Technical information is furnished solely as reference concerning the mentioned product without any obligation, end users shall consider suitability for their own adoption & usage. As conditions of use may vary and are beyond our control A.J. Plast (Vietnam) undertakes no responsibility and liability for accuracy of any technical information and results obtained by usage of this product

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Website: http://ajplast.com.vn/

Maximum (max), \leq mean the value specified must be less than or equal to the max value. 1 COF is measured after produced and the value can be changed during storage.

²Wetting tension is measured after produced and the value can be changed during storage.





MATT BOPP Film For Paper Lamination

PMV is a specially designed matt BOPP film for lamination.

KEY FEATURES

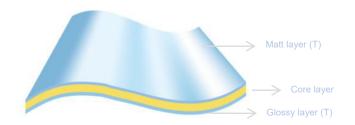
- Ultra high haze for paper lamination
- Very fine matt appearance
- Both side surface treatment
- Good dimensional stability
- Density 0.80 g/cm³

Surface 3: Both side corona treatment Treatment

000 (plain) Film class

FDA US CFR 177.1520 Food contact

Commission Regulation (EU) No. 10/2011



TECHNICAL DATA	MD	Machine Direction	M	Matt side
ILCINICAL DATA	TD	Transverse Direction	G	Glossy side

TYPICAL PROPE	UNIT		TEST METHODS		TYPICAL VALUE			
THICKNESS		micron		Micrometer	12,13	15	18,20,30	
AVERAGE THICKNESS VAI	RIATION	micron		ASTM E-252-78	±2 ±2		± 2	
DENSITY		g/cm ³		ASTM D-1505		0.77-0.84		
TENSILE	MD	N/mm ²	(mim)	(maim)	ASTM D-882	80	90	100
STRENGTH	TD	IN/IIIII-	(min)	A31WID-002	140	150	170	
ELONGATION	MD	% (max) ASTM D-882	210	210	210			
AT BREAK	TD	70	(max)	A3 1 W D-002	70	70	70	
DIMENSIONAL	MD	%	(22.214)	ASTM D-1204	4	1.5	4.0	
STABILITY	TD	70	(max)	120°C, 5 minutes	2.0 2.0		2.0	
COF (kinatia)1	M/M		(22.214)	ACTM D 4004	0.60			
COF (kinetic) ¹	G/G	(max)		ASTM D-1894	0.60			
HAZE		%	(min)	ASTM D-1003-61	70.0	78	3.0	
GLOSS (angle 85°)	М	GU	(max)	ASTM D-2457	20.0	15	5.0	
WETTING TENSION ²	G	Di maa lam	(main)	ACTM D 2570		38		
	M	Dynes/cm	(min)	ASTM D-2578	37			

Remark:

YIELD & G.S.M. DATA

THICKNESS	YIELD	G.S.M
micron	m²/kg	g/m²
12	85.03-129.87	7.70-11.76
13	79.37-118.06	8.47-12.60
15	70.03-99.90	10.01-14.28
18	59.52-81.17	12.32-16.80
20	54.11-72.15	13.86-18.48
30	37.20-46.38	21.56-26.88

DESCRIPTION OF SUPPLY

PAPER CORE I.D. 76 mm (3 inches), 152 mm (6 inches) ROLL OUTSIDE DIAMETER max. 1000 mm

WIDTH RANGE 450 mm - 2500 mm (upon request) LENGTH RANGE standard 4000 m to 12000 m (upon request)

DISCLAIMER: The data and information contained herein are given purely as a guide. Technical information is furnished solely as reference concerning the mentioned product without any obligation, end users shall consider suitability for their own adoption & usage. As conditions of use may vary and are beyond our control A.J. Plast (Vietnam) undertakes no responsibility and liability for accuracy of any technical information and results obtained by usage of this product

Tax: 370 301 3449 Company Phone: +84 (0) 274-380-3456 Website: http://ajplast.com.vn/

Version: TDS-VN-PMV-R03 Issue Date: 27th May 2023 Revised Date: 12th Dec 2023

Minimum (min).

mean the value specified must be higher than or equal to the min value

Maximum (max), ≤

mean the value specified must be less than or equal to the max value.

COF is measured after produced and the value can be changed during storage. ²Wetting tension is measured after produced and the value can be changed during storage.





PP is plain BOPP film designed for printing and laminating applications.

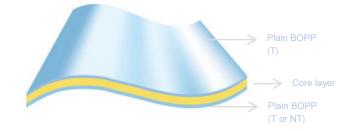
KEY FEATURES

- Good adhesion to ink and adhesive
- · Good mechanical properties
- High thermal stability
- Good clarity

Surface 1: inside corona treatment
Treatment 2: outside corona treatment
3: both side corona treatment
Film class 000

Food contact FDA US

FDA US CFR 177.1520 Commission Regulation (EU) No. 10/2011



TECHNICAL DATA	MD	Machine Direction	Т	Treated side	1	Inside
TEGINIONE DATA	TD	Transverse Direction	NT	Non-Treated side	0	Outside

TYPICAL PROPERTIES		UNIT		TEST METHODS	TYPICAL VALUE			
THICKNESS			micron		Micrometer	12,15 17,18,19,20,21,25,28,30,38,40,50		
AVERAGE THI	CKNESS VARIATION	ON	micron		ASTM E-252-78		± 3%	
DENSITY			g/cm ³		ASTM D-1505		0.91	
TENSILE		MD	N1/m-m-2	(i)	ACTIAD 000		110	
STRENGTH		TD	N/mm ²	(min)	ASTM D-882		250	
ELONGATION		MD	0/	, ,	4.0T44.D. 000	230		
AT BREAK		TD	%	(max)	ASTM D-882	70		
DIMENSIONAL		MD	0/	, ,	ASTM D-1204	4.5 4.0		
STABILITY		TD	%	(max)	120°C, 5 minutes	2.0 2.0		
005 (1: 1: 1		T/T	, ,		40TM D 4004	0.50		
COF (kinetic) ¹		NT/NT	1	(max)	ASTM D-1894	0.50		
HAZE			%	(max)	ASTM D-1003-61		3.0	
GLOSS (angle	60°)		GU	(min)	ASTM D-2457		140	
	ONE SIDE	Т				38		
WETTING TREATED TENSION ² BOTH SIDES TREATED		NT	1 _ ,			-		
		CORONA (I)	Dynes/cm	(min)	ASTM D-2578	38		
		CORONA (O)	1			37		

Remark;

Minimum (min),
mean the value specified must be higher than or equal to the min value Maximum (max),
mean the value specified must be less than or equal to the max value.

YIELD & G.S.M. DATA

THICKNESS	YIELD	G.S.M	THICKNESS	YIELD	G.S.M
micron	m²/kg	g/m²	micron	m²/kg	g/m²
12	88.91-94.41	10.59-11.25	25	42.68-45.32	22.07-23.43
15	71.13-75.53	13.24-14.06	28	38.10-40.46	24.72-26.24
17	62.76-66.64	15.01-15.93	30	35.56-37.76	26.48-28.12
18	59.27-62.94	15.89-16.87	38	28.08-29.81	33.54-35.62
19	56.15-59.63	16.77-17.81	40	26.67-28.32	35.31-37.49
20	53.34-56.64	17.65-18.75	45	23.71-25.18	39.72-42.18
21	50.80-53.95	18.54-19.68	50	21.34-22.66	44.14-46.87

DESCRIPTION OF SUPPLY

PAPER CORE I.D. 76 mm (3 inches), 152 mm (6 inches) ROLL OUTSIDE DIAMETER max. 1000 mm

WIDTH RANGE 450 mm – 2500 mm (upon request) LENGTH RANGE standard 3000 m to 12000 m (upon request)

DISCLAIMER: The data and information contained herein are given purely as a guide. Technical information is furnished solely as reference concerning the mentioned product without any obligation, end users shall consider suitability for their own adoption & usage. As conditions of use may vary and are beyond our control A.J. Plast (Vietnam) undertakes no responsibility and liability for accuracy of any technical information and results obtained by usage of this product

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¹COF is measured after produced and the value can be changed during storage.

²Wetting tension is measured after produced and the value can be changed during storage.





High heat resistance BOPP Film

PPJ is a high heat resistance and high stiffness plain BOPP film. Corona treated side is designed for printing and lamination applications.

KEY FEATURES

Film class

TECHNICAL DATA

- Excellent thermal stability
- High printing quality
- Excellent mechanical properties
- Excellent optical properties
- Good resistance to oil and grease
- Suitable for BOPET replacement (outer layer)

Surface 1: inside corona treatment Treatment 2: outside corona treatment 3: both side treatment

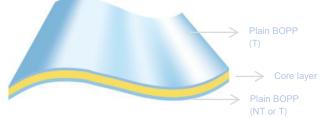
000 (Plain film)

FDA US CFR 177.1520 Food contact

Commission Regulation (EU) No. 10/2011

MD Machine Direction Treated side TD Transverse Direction





TYPICAL PROPERTIES		UNIT		TEST METHODS	TYPICAL	. VALUE			
THICKNESS	THICKNESS		micron		Micrometer	18, 20, 25	30, 40		
AVERAGE T	HICKNESS VARIA	ATION	micron		ASTM E-252-78	±3	3%		
DENSITY			g/cm ³		ASTM D-1505	0.9	91		
TENSILE		MD	N1/2	(!)	ACTM D 000	13	35		
STRENGTH		TD	N/mm ² (mii		ASTM D-882	29	90		
ELONGATIO	N	MD	0/			20	00		
AT BREAK		TD	% (max)		ASTM D-882	7	70		
		MD		(max)	ASTM D-1204	3.0	3.0		
DIMENICIONI	DIMENSIONAL STABILITY	TD	%		120°C, 5 minutes	1.0	1.0		
DIMENSION		MD			ASTM D-1204	8.0	7.0		
		TD			150°C, 5 minutes	8.0	7.0		
COF (kinatia	\1	T/T				0.45			
COF (kinetic).	NT/NT		(max)	ASTM D-1894	0.45			
HAZE			%	(max)	ASTM D-1003-61	2.	0		
GLOSS (ang	le 60°)		GU	(min)	ASTM D-2457	14	15		
	ONE SIDE	Т				3	8		
WETTING	TREATED	NT] ,		-	-			
TENSION ²	BOTH SIDES	CORONA (I)	Dynes/cm	(min)	ASTM D-2578	3	8		
	TREATED	CORONA (O)				3	37		

Remark;

- mean the value specified must be higher than or equal to the min value.
- mean the value specified must be less than or equal to the max value. COF is measured after produced and the value can be changed during storage.

YIELD & G.S.M. DATA

THICKNESS	YIELD	G.S.M	THICKNESS	YIELD	G.S.M
micron	m²/kg	g/m²	micron	m²/kg	g/m²
18	59.27-62.94	15.89-16.87	30	35.56-37.76	26.48-28.12
20	53.34-56.64	17.65-18.75	40	26.67-28.32	35.31-37.49
25	42.68-45.32	22.07-23.43			

DESCRIPTION OF SUPPLY

PAPER CORE I.D. ROLL OUTSIDE DIAMETER 76 mm (3 inches), 152 mm (6 inches) max. 1000 mm

WIDTH RANGE 450 mm - 2000 mm (upon request) LENGTH RANGE standard 6000 m to 12000 m (upon request)

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Version: R01 Issue Date: 12th DEC 2023 Revised Date: xx.xx.xxxx

²Wetting tension is measured after produced and the value can be changed during storage





95% PIR Plain BOPP Film

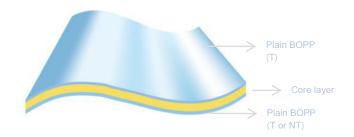
PR is a plain BOPP film composed of 95% post-industrial resin (PIR). Raw material of PR film is BOPP film which internally made by A.J. PLAST. This grade is designed for printing and laminating applications.

KEY FEATURES

- Sustainability solution
- Good adhesion to ink and adhesive
- Good mechanical properties
- Thermal stability

Surface 1: inside corona treatment
Treatment 2: outside corona treatment
3: both side corona treatment
Film class 000

Food contact FDA US CFR 177.1520
Commission Regulation (EU) No. 10/2011



TECHNICAL DATA	MD	Machine Direction	Т	Treated side	1	Inside
	TD	Transverse Direction	NT	Non-Treated side	0	Outside

TYPICAL PROPERTIES		UNIT		TEST METHODS		TYPICAL VALUE					
THICKNESS			micron		Micrometer	15 17,18,19,20,21 35,3 ,25,28,30		35,38,40,45,50			
AVERAGE T	HICKNESS VARIA	TION	micron		ASTM E-252-78		± 3%				
DENSITY			g/cm ³		ASTM D-1505		0.91				
TENSILE		MD	N1/2	(!)	ACTM D. 000		110				
STRENGTH		TD	N/mm ²	(min)	ASTM D-882		250				
ELONGATIO	N	MD	0/	()	ACTM D. 000		230				
AT BREAK		TD	% (max)		% (max) ASTM D-882		70				
DIMENSION	AL	MD	0′ ′)	0/ /)	0/ /	0/ /	0/ /	ASTM D-1204	4.5	4.0	4.0
STABILITY		TD	%	(max)	120°C, 5 minutes	2.0	2.0	2.0			
005 #11 #11	.1	T/T	(max)		ASTM D-1894	0.50					
COF (kinetic) '	NT/NT					0.50				
HAZE			%	(max)	ASTM D-1003-61	3.0	3.0	3.5			
GLOSS (ang	le 60°)		GU	(min)	ASTM D-2457	140	140	140			
	ONE SIDE	Т					38				
WETTING	TREATED	NT	1_		-						
TENSION ²	BOTH SIDES	CORONA (I)	Dynes/cm	(min)	(min) ASTM D-2578		38				
	TREATED	CORONA (O)	1				37				

Remark; Minii

 $Minimum (min), \quad \geq \quad$

mean the value specified must be higher than or equal to the min value.

Maximum (max), \leq mean the value specified must be less than or equal to the max value. 1 COF is measured after produced and the value can be changed during storage.

YIELD & G.S.M. DATA

THICKNESS	YIELD	G.S.M	THICKNESS	YIELD	G.S.M
micron	m²/kg	g/m²	micron	m²/kg	g/m²
15	71.13-75.53	13.24-14.06	28	38.10-40.46	24.72-26.24
17	62.76-66.64	15.01-15.93	30	35.56-37.76	26.48-28.12
18	59.27-62.94	15.89-16.87	35	30.48-32.37	30.89-32.81
19	56.15-59.63	16.77-17.81	38	28.08-29.81	33.54-35.62
20	53.34-56.64	17.65-18.75	40	26.67-28.32	35.31-37.49
21	50.80-53.95	18.54-19.68	45	23.71-25.18	39.72-42.18
25	42.68-45.32	22.07-23.43	50	21.34-22.66	44.14-46.87

DESCRIPTION OF SUPPLY

PAPER CORE I.D. 76 mm (3 inches), 152 mm (6 inches) ROLL OUTSIDE DIAMETER max. 1000 mm

WIDTH RANGE 450 mm – 2500 mm (upon request) LENGTH RANGE standard 3000 m to 12000 m (upon request)

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