

Physical Properties Table

List of Major Grades

Physical Properties Table

Regular Stock List

Category	Product name	Grade	Thickness (μm)	Basis weight (g/m ²)	Density (g/cm ³)	Whiteness (%)	Opacity (%)	Gloss (%)		Tensile strength (kN/m)		Elongation (%)		Clark stiffness (S value)		Specific surface resistance (Ω)
								Front/Back		MD	CD	MD	CD	MD	CD	
Standard	SUPERYUPO Double [YUPO GREEN Series]	FRBW 110	110	88.7	0.81	97	96	51		6	16	130	30	50	90	1×10 ¹⁰
		FRBW 130	130	100.1	0.77	97	97	51		7	20	130	30	60	130	1×10 ¹⁰
		FRBW 150	150	115.5	0.77	97	98	51		8	22	130	25	80	165	1×10 ¹⁰
		FRBW 200	200	158.0	0.79	97	98	50		9	29	120	25	125	275	1×10 ¹⁰
		FRBW 250	250	200.0	0.80	97	99	49		11	36	110	25	200	420	1×10 ¹⁰
		FRBW 300	300	234.0	0.78	97	99	46		12	40	100	25	270	600	1×10 ¹⁰
	General YUPO	FGS 60	65	51.4	0.79	97	87	16		3	7	115	25	15	20	1×10 ¹¹
		FGS 80	80	61.6	0.77	97	91	17		4	10	130	30	20	30	1×10 ¹¹
		FGS 95	95	73.2	0.77	97	93	17		5	15	130	30	30	45	1×10 ¹¹
		FGS 110	110	84.7	0.77	97	95	17		6	15	135	30	40	65	1×10 ¹¹
		FGS 130	130	100.1	0.77	97	96	18		7	20	135	30	50	90	1×10 ¹¹
		FGS 150	150	115.5	0.77	97	96	18		8	20	135	30	65	125	1×10 ¹¹
		FGS 200	200	158.0	0.79	97	98	19		10	30	150	30	125	230	1×10 ¹¹
		FGS 250	250	200.0	0.80	96	99	19		10	35	160	30	195	300<	1×10 ¹¹
	ULTRAYUPO [YUPO GREEN Series]	FGS 300	300	234.0	0.78	96	99	19		9	35	130	30	270	300<	1×10 ¹¹
		FEB(G) 95	95	73.2	0.77	98	96	49		5	15	130	30	35	65	1×10 ¹¹
		FEB(G) 110	110	84.7	0.77	98	97	50		6	15	125	30	45	85	1×10 ¹¹
		FEB(G) 130	130	100.1	0.77	98	98	48		7	20	130	30	60	115	1×10 ¹¹
		FEB(G) 150	150	115.5	0.77	98	98	49		7	20	135	25	75	155	1×10 ¹¹
		FEB(G) 200	200	158.0	0.79	98	99	48		10	30	135	25	130	270	1×10 ¹¹
		FEB(G) 250	250	200.0	0.80	98	99	46		10	35	120	30	210	300<	1×10 ¹¹
	SUPERYUPO [YUPO GREEN Series]	FEB(G)A 300	300	234.0	0.78	97	99	46		10	35	100	30	280	300<	1×10 ¹¹
		FRB(G) 110	110	88.0	0.80	98	96	53/24		4	15	90	30	45	80	1×10 ¹⁰
		FRB(G) 130	130	102.7	0.79	98	97	53/24		5	15	95	30	60	110	1×10 ¹⁰
	General YUPO	FRR(G) 70	70	56.7	0.81	98	91	49/21		3	10	120	25	20	35	Front: 1 × 10 ¹² Back: 1 × 10 ¹¹
		FPG 60	60	47.4	0.79	96	87	16		3	9	115	30	15	25	1×10 ¹¹
		FPG 80	80	61.6	0.77	96	90	17		4	10	125	30	20	40	1×10 ¹¹
		FPG 95	95	73.2	0.77	96	92	17		6	15	125	25	30	60	1×10 ¹¹
		FPG 110	110	84.7	0.77	96	94	17		6	15	130	25	40	80	1×10 ¹¹
		FPG 130	130	100.1	0.77	96	95	17		7	20	130	25	55	110	1×10 ¹¹
FPG 150		150	115.5	0.77	96	96	17		8	20	140	25	70	145	1×10 ¹¹	
FPG 200		200	158.0	0.79	96	98	16		10	30	155	30	125	255	1×10 ¹¹	
FPG 250		250	200.0	0.80	96	99	15		10	35	165	30	200	300<	1×10 ¹¹	
FPG 300	300	234.0	0.78	96	99	15		9	35	130	30	270	300<	1×10 ¹¹		
High-gloss Translucent	YUPO High-Gloss	GAR 110	110	86.9	0.79	96	94	89/18		6	20	135	25	40	90	1×10 ¹¹
	YUPOTRACE	TPRA 60	60	60.6	1.01	92	30	13		4	9	185	40	15	15	1×10 ¹¹
		TPRA 90	90	91.8	1.02	92	40	15		6	15	200	40	30	40	1×10 ¹¹
	YUPO Back Light	BLR 150	150	153.0	1.02	93	63	15		10	30	210	40	80	130	1×10 ¹¹
		BCR 160	160	153.0	0.96	94	63	34		10	30	200	35	95	170	1×10 ¹¹
ALPHAYUPO (General)	QJJ 350	350	340.0	0.97	95	98	20		-	-	-	-	300<	300<	1×10 ¹¹	

Thick	Product)	QJJ 400	400	390.0	0.98	95	98	20	-	-	-	-	300<	300<	1×10 ¹¹	
		QJJ 500	500	494.0	0.99	95	98	19	-	-	-	-	300<	300<	1×10 ¹¹	
	ALPHAYUPO (Single Side Gloss)	QTYR 350	350	353.0	1.01	93	96	89/18	-	-	-	-	300<	300<	1×10 ¹¹	
	ALPHAYUPO (Translucent)	RMM 400	400	396.0	0.99	93	78	13	-	-	-	-	300<	300<	1×10 ¹¹	
For label	YUPOTACK Face Stock for Sticker Label	SGS 60	60	48.6	0.81	97	85	22/54	3	10	120	25	10	25	1×10 ¹¹	
		SGS 80	80	66.4	0.83	97	89	22/53	5	15	125	25	20	50	1×10 ¹¹	
		SGS 110	110	91.3	0.83	97	93	22/52	6	20	130	25	35	90	1×10 ¹¹	
	YUPOTACK Face Stock for Sticker Label [Compatible with thermal transfer printing]	SGP 80	80	66.4	0.83	97	89	4/6	5	15	125	25	20	50	1×10 ¹¹	
		SGP 110	110	91.3	0.83	97	93	6/7	6	20	130	25	35	90	1×10 ¹¹	
	Face Stock for Sticker Label [high-performance product]	SGM 80	80	66.4	0.83	97	89	28/65	5	15	125	25	20	50	1×10 ¹¹	
		SDI 80	80	66.4	0.83	97	89	10/15	5	15	125	25	20	50	1×10 ¹¹	
	Easy De-Laminate YUPO	SAR 60	60	51.8	-	96	81	-	-	-	-	-	-	-	-	
	Destructive YUPO	SLR 80	80	54.8	-	97	92	-	-	-	-	-	-	-	-	
	AQUAYUPO	LAR(G) 75	75	60.8	0.81	98	95	36/26	3	10	115	25	15	35	Front: 1 × 10 ¹² Back: 1 × 10 ¹⁵	
		LAR(G) 95	95	76.5	0.81	98	96	38/26	5	15	125	25	30	55	Front: 1 × 10 ¹² Back: 1 × 10 ¹⁵	
	YUPO In-mold label [for blow/injection molding]	ITE 105	107	81.6	0.76	97	94	19/52	4	10	140	20	15	45	Front: 1 × 10 ¹¹ Back: 1 × 10 ¹⁵	
		ISF 105	107	82.7	0.77	97	95	25/65	4	10	140	20	15	45	Front: 1 × 10 ¹¹ Back: 1 × 10 ¹³	
		IDF 80	81	75.2	0.93	96	86	17/65	4	15	165	30	15	25	Front: 1 × 10 ¹¹ Back: 1 × 10 ¹⁵	
		IDF 100	101	92.0	0.91	96	91	17/65	5	15	170	30	20	45	Front: 1 × 10 ¹¹ Back: 1 × 10 ¹⁵	
		IHC 75	77	68.8	0.90	90	14	64/85	6	20	180	30	15	35	Front: 1 × 10 ¹⁵ Back: 1 × 10 ¹⁵	
	YUPO In-mold label [for injection molding]	LBR 80	80	66.4	0.83	96	85	55/14	4	10	150	30	15	30	Front: 1 × 10 ¹¹ Back: 1 × 10 ¹¹	
	Adhesive	YUPO OCTOPUS [for offset printing]	WKFS 340	320	220.0	0.69	97	97	-	-	-	-	-	-	-	
		YUPO OCTOPUS [for inkjet ink]	WKJ 250	220	156	0.71	97	95	-	-	-	-	-	-	-	-
			XAD 1057	270	190	0.70	-	-	-	-	-	-	-	-	-	-
WKE 250			245	175	0.71	90	96	-	-	-	-	-	-	-	-	
YUPO OCTOPUS [for HP Indigo]		XAD 1058	210	170	0.78	-	-	-	-	-	-	-	-	-	1×10 ¹⁴	
YUPO OCTOPUS [for UV inkjet]		XAD 1069	210	166	0.79	-	-	-	-	-	-	-	-	-	-	
YUPO OCTOPUS OUTDOOR		WKO 280	280	199	0.73	94	-	-	-	-	-	-	-	-	-	
YUPO OCTOPUS (Clear)		XAD 1062	170	220.0	1.30	-	1**	100	-	-	-	-	-	-	9×10 ¹⁴	
		XAD 1068	178	235	1.30	-	1**	100	-	-	-	-	-	-	9×10 ¹⁴	
YUPOSTATIC [for offset printing]		WESC 165	162	143.0	0.88	90	3/97*	100/15*	-	-	-	-	-	-	Front: 1 × 10 ¹² * Back: 1 × 10 ¹¹ *	
YUPOSTATIC [for inkjet ink]		WESJ 225	225	185	-	90	95	-	-	-	-	-	-	-	-	
YUPOSTATIC [for HP Indigo]		WESA 165	164	140.0	0.87	96	87	16/16	-	-	-	-	-	-	1×10 ¹¹	
YUPOSTATIC [roll printing compatible/white type]	WESL 155	155	140.0	0.90	96	87	17	-	-	-	-	-	-	1×10 ¹⁰		
YUPOSTATIC [roll printing compatible/transparent type]	WEST 155	155	145.0	0.94	92	2**	15	-	-	-	-	-	-	1×10 ¹⁰		
Coated	OY Coated	VAFW 105	105	94.6	0.95	97	95	31	4	11	115	18	39	49	1×10 ¹¹	
		VAFW 120	115	106.2	0.94	97	95	29	5	14	105	22	48	63	9×10 ¹¹ >	
		VAFW 135	132	117.7	0.94	97	96	29	6	16	115	22	64	82	9×10 ¹¹ >	
	YUPOCOAT for printing [single-sided coat]	VIF 90	90	71.6	0.81	96	93	2/17	5	12	115	20	18	38	9×10 ¹¹ >	

	VIF 120	120	95.4	0.80	95	96	2/17	9	16	124	24	39	76	-		
	VIS 90	90	76.4	0.85	95	87	2/50	4	14	111	20	24	40	-		
	YUPOCOAT for printing (double-sided coat)	VIFW 115	115	93.2	0.88	96	93	2/2	5	14	110	21	37	65	9×10 ¹¹ >	
Laminated products	CLOTHYUPO (Single)	WNF 135	134	101.2	0.75	96	60	17/5	9	16	51	23	44	59	9×10 ¹¹ >	
	CLOTHYUPO (Double)	WNFW 200	201	155.0	0.78	96	96	17/17	12	25	56	26	13	205	9×10 ¹¹ >	
	YUPO Metalized	WMF 120	123	106.3	0.86	-/95	100	100</16	8	18	105	23	68	107	9×10 ¹¹ >	
	HIGHTEAR YUPO	WSF 110	107	70.0	0.65	96	88	10/16	4	8	80	18	13	23	9×10 ¹¹ >	
		WSF 160	159	110.0	0.65	95	94	10/17	7	16	125	21	33	72	9×10 ¹¹ >	
	YUPO 100% Opacity	WCFA 125	123	104.0	0.83	88	100	16	7	19	135	33	46	89	9×10 ¹¹ >	
		WCFA 195	190	150.0	0.82	91	100	18	10	25	150	26	109	210	9×10 ¹¹ >	
	For digital printing	YUPOJET (For inkjet)	VJFP 170	165	117.5	0.71	96	93	2/17	-	-	-	-	-	-	-
XAB 1020			135	90.0	0.67	92	95	2/17	-	-	-	-	-	-	-	-
VJFN 160			160	135.0	0.84	97	96	37/16	-	-	-	-	-	-	-	-
YUPO Digital Printing Paper [for HP Indigo/Production Printers]		YPI 150	150	115.5	0.77	97	96	11/10	8	20	140	30	65	125	1×10 ¹⁰	
		YPI 200	200	158.0	0.79	97	98	13/11	10	30	150	30	120	230	1×10 ¹⁰	
		YPI 250	250	200.0	0.80	96	99	14/12	10	35	160	30	180	300<	1×10 ¹⁰	
		YPI 300	300	234.0	0.78	96	99	14/11	9	35	130	30	300	300<	1×10 ¹⁰	
YUPO Digital Printing Paper [for HP Indigo/Thick]		WYPI 350	345	275	0.78	99	97	15	-	-	-	-	-	-	-	
		WYPI 400	390	317.5	0.77	99	97	15	-	-	-	-	-	-	-	
YUPO Digital Printing Paper [for UV inkjet]		FPU 130	130	100.1	0.77	97	96	17	7	20	140	30	50	110	1×10 ¹¹	
		FPU 200	200	158.0	0.79	97	98	17	10	30	155	30	130	260	1×10 ¹¹	
		FPU 250	250	200.0	0.80	97	99	16	10	35	165	30	200	300<	1×10 ¹¹	
Other	YUPO Building Materials Paper	KPK 80	80	81.6	1.02	94	70	14	5	10	215	40	25	35	1×10 ¹⁰	
	YUPO Carbonless [upper paper]	VCA 65	76	51.4	0.68	95	88	-	3	7	115	20	15	28	-	
	YUPO Carbonless [middle paper]	VCB 65	75	57.9	0.77	95	89	-	3	7	115	20	15	28	-	
	YUPO Carbonless [lower paper]	VCC 65	66	54.9	0.83	95	89	-	3	7	115	20	15	28	-	
		VCC 350	350	339.0	0.97	95	98	5/20	-	-	-	-	300<	300<	1×10 ¹¹	
Measurement method		JIS P 8118	JIS P 8124	JIS P 8118	JIS L 1015	JIS P 8149	JIS P 8142	JIS P 8113	JIS P 8113		JIS P 8143		JIS K 6911			

* For WESC 165, front: transparent surface, back: YUPO surface.

Thickness : Variations are available from 60 µm (0.06 mm) to 500 µm (0.5 mm).

Tensile strength : Indicates the maximum load when pulled in MD (machine direction) and CD (cross direction).

Density : Most products are equal to or less than 1 g/cm³ and light enough to float in water.

Elongation : The elongation rate when the sheet is broken by pulling.

Whiteness : The higher the value, the whiter the sheet.

Clark stiffness : The higher the value, the more resilient the sheet.

Opacity : A product with a value of 100% is completely opaque.

Specific surface resistance : The lower the value, the less likely it is for static electricity to occur. (1015 Ω or more for PP)

Gloss : The higher the value, the glossier the print will be.

* Please note that the measured values are representative of our measured values and are not guaranteed values.

* The reference standard for the measurement method is the test method described.

* The measurement method of the optical system for opacity uses the method specified in JIS Z8722.