

Technical specification sheet

Ball & Doggett
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Product: Silk-hd Gloss & Matt

Category: Folio Paper - Coated Paper

Country of origin: Japan

Technical specifications:

Silk HD Matt. Text

Basis Weight	gsm	113	128	150	170	Measuring method
Thickness	µm	100	116	135	164	ISO534 : 2011
Gloss	%	28	27	31	28	ISO8254-1 : 2009
smoothness	sec.	1800	1600	2100	1700	JIS P8155
ISO brightness	%	91.5	92.0	92.0	92.0	ISO 2470-1 : 2009
Opacity	%	59.5	-	-	-	ISO 2471 : 2008

*Measuring condition: temperature 23 ± 1°C, relative humidity 50 ± 2% *This data represents the actual value. NOT quality standard.

Matt. Cover

Basis Weight	gsm	210	256	300	350	400	Measuring method
Thickness	µm	206	259	314	376	422	JIS P8118
Gloss	%	26	28	29	29	32	JIS P142
Smoothness	sec.	1595	1422	1552	1535	1510	JIS P155
ISO brightness	%	91.5	91.5	91.2	91.3	92.1	JIS P148
L*	-	94.0	93.8	93.6	93.8	93.7	JIS P150
a*	-	2.2	2.3	2.4	2.3	2.5	JIS P150
b*	-	-4.8	-5.1	-5.2	-5.2	-5.6	JIS P150
Taber stiffness (MD/CD)	mN · m	3.1/2.0	5.9/3.7	11.1/5.5	19.4/8.7	25.7/12.6	JIS P125

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Silk HD Gloss. Text

Basis Weight	gsm	113	128	150	170	Measuring method
Thickness	µm	94	105	127	148	ISO534 : 2011
Gloss	%	70	70	70	70	ISO8254-1 : 2009
smoothness	sec.	5000	4500	4900	4200	JIS P8155
ISO brightness	%	89.0	89.0	89.5	89.5	ISO 2470-1 : 2009
Opacity	%	95.0	-	-	-	ISO 2471 : 2008

*Measuring condition: temperature 23 ± 1°C, relative humidity 50 ± 2% *This data represents the actual value. NOT quality standard.

Gloss. Cover

Basis Weight	gsm	210	256	300	350	400	Measuring method
Thickness	µm	204	258	309	365	407	JIS P8118
Gloss	%	65	63	63	65	66	JIS P142
Smoothness	sec.	3053	2510	2493	2507	3360	JIS P155
ISO brightness	%	90.5	90.7	89.8	89.7	89.6	JIS P148
L*	-	94.2	94.3	93.8	93.8	93.8	JIS P150
a*	-	2.1	2.0	2.1	2.1	2.1	JIS P150
b*	-	-3.8	-3.7	-3.8	-3.8	-3.9	JIS P150
Taber stiffness (MD/CD)	mN · m	3.0/1.9	5.9/5.3	11.9/5.3	18.9/8.1	26.8/12.1	JIS P125

*Measuring condition: temperature 23 ± 1°C, relative humidity 50 ± 2% *This data represents the actual value. NOT quality standard.

Applications

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|---|--|--|
| ☒ Annual Reports | ☒ Direct Mail | ☐ Outdoor Use |
| ☐ Brochures | ☐ Folders | ☒ Packaging |
| ☒ Corporate Identity | ☐ Invitations | ☒ Presentation Material |
| ☒ Other: newsletters, prospectus, catalogues | | |

Processes

- Silk-hd is manufactured to perform in a wide range of traditional printing, embellishing and finishing processes.
- Standard Inks
- Manufactured to perform in all levels of embellishments
- When folding and creasing, scoring is recommended

Certifications

- FSC Mixed Sources (CoC)
- Carbon Neutral (Optional)
- ISO 14001
- ECF