

# Technical specification sheet

Ball & Doggett

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**Product:** Silk-hd Gloss & Matt

**Category:** Small Format Digital - Coated Paper

**Mill:** Oji Paper, Japan

**Country of origin:** Japan

## Technical specifications:

### Silk HD Matt. Text

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

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

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

### Silk HD Gloss. Text

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

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

- |   |  |  |
|---|--|--|
| <input checked="" type="radio"/> Annual Reports                             | <input checked="" type="radio"/> Direct Mail | <input type="radio"/> Outdoor Use                      |
| <input type="radio"/> Brochures   | <input type="radio"/> Folders                | <input checked="" type="radio"/> Packaging             |
| <input checked="" type="radio"/> Corporate Identity                         | <input type="radio"/> Invitations            | <input checked="" type="radio"/> Presentation Material |
| <input checked="" type="radio"/> 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

### Digital Compatibility

- Silk-hd Gloss is HP Indigo certified in the full range.
- Silk-hd Matt is only HP Indigo certified up to 210gsm and HP Indigo compatible from 256gsm.
- Qualified for Dry Toner Machines.