

Hello Technical Product Specification



Gloss

Property Standard Unit	Basis weight ISO 536 g/m ²	Brightness (D65/10°) ISO 2470 %	Gloss DIN 75° (MD) DIN 54502 %	Opacity ISO 2471 %	Relative Humidity (23° C) TAPPI 502 %	PH Value ISO 6588 -	Spec. Volume ISO 534 cm ³ /g
	90	98	53	90.5	50	>7	0.71
	100	98	55	92.5	50	>7	0.72
	115	98	56	93.5	50	>7	0.71
	130	98	58	94.5	50	>7	0.70
	135	98	58	95	50	>7	0.70
	150	98	58	96	50	>7	0.71
	170	98	58	97	50	>7	0.73
	200	98	58	98	50	>7	0.74
	225	98	58	98.5	50	>7	0.73
	250	98	58	98.5	50	>7	0.74
	275	98	58	99	50	>7	0.75
	300	98	58	99	50	>7	0.76
	350	98	58	99.5	50	>7	0.78
	400	98	58	99.5	50	>7	0.80
	± 4%	± 2	± 5	-1	± 5	-	± 6%

Indicative value for CIE Whiteness (ISO 11475 - %): Hello Gloss 126 (+/- 4)



Silk

Property Standard Unit	Basis weight ISO 536 g/m ²	Brightness (D65/10°) ISO 2470 %	Roughness PPS ISO 8791-4 µm	Opacity ISO 2471 %	Relative Humidity (23° C) TAPPI 502 %	PH Value ISO 6588 -	Spec. Volume ISO 534 cm ³ /g
	90	100	1.7	91	50	>7	0.82
	100	100	1.7	92.5	50	>7	0.82
	115	100	1.7	94.5	50	>7	0.82
	130	100	1.4	95	50	>7	0.82
	135	100	1.4	95.5	50	>7	0.82
	150	100	1.4	96.5	50	>7	0.83
	170	100	1.4	97.5	50	>7	0.85
	200	100	1.4	98	50	>7	0.85
	225	100	1.4	98.5	50	>7	0.90
	250	100	1.4	98.5	50	>7	0.90
	275	100	1.4	99	50	>7	0.91
	300	100	1.5	99	50	>7	0.94
	350	100	1.7	99.5	50	>7	0.99
	400	100	1.9	99.5	50	>7	1.03
	± 4%	± 2	± 0.5	-1	± 5	-	± 6%

Indicative value for CIE Whiteness (ISO 11475 - %): Hello Silk: 127 (+/- 4)



Matt

Property Standard Unit	Basis weight ISO 536 g/m ²	Brightness (D65/10°) ISO 2470 %	Roughness PPS ISO 8791-4 µm	Opacity ISO 2471 %	Relative Humidity (23° C) TAPPI 502 %	PH Value ISO 6588 -	Spec. Volume ISO 534 cm ³ /g
	90	100	2.4	90.5	50	>7	0.84
	100	100	2.4	92.5	50	>7	0.84
	115	100	2.3	93.5	50	>7	0.84
	135	100	2.3	95	50	>7	0.84
	150	100	2.3	96	50	>7	0.84
	170	100	1.6	97	50	>7	0.87
	200	100	1.6	98	50	>7	0.88
	225	100	1.6	98.5	50	>7	0.90
	250	100	1.6	98.5	50	>7	0.90
	275	100	1.7	99	50	>7	0.91
	300	100	1.8	99	50	>7	0.94
	350	100	2.0	99.5	50	>7	0.99
	400	100	2.1	99.5	50	>7	1.03
	± 4%	± 2	± 0.6	-1	± 5	-	± 6%

Indicative value for CIE Whiteness (ISO 11475 - %): Hello Matt: 127 (+/- 4)

Hello Technical Product Specification



Fat Matt 1.1

Property Standard Unit	Basis weight ISO 536 g/m ²	Thickness ISO 534 µm	Whiteness CIE (D65/10°) ISO 11475 index	Opacity ISO 2471 %	Relative Humidity TAPPI 502 %	Roughness ISO 8791-2 ml/min	Smoothness Bekk ISO 5627 sec
	90	96	121	93.0	50	100	-
	100	108	121	94.5	50	100	-
	110	120	121	95.5	50	100	-
	115	125	121	96.0	50	100	-
	130	142	121	-	50	90	-
	135	147	121	-	50	90	-
	150	162	121	-	50	-	100
	170	184	121	-	50	-	100
	200	210	121	-	50	-	230
	225	237	121	-	50	-	230
	250	265	121	-	50	-	230
	275	297	121	-	50	-	210
	300	327	121	-	50	-	210
	350	399	121	-	50	-	200
	380	430	121	-	50	-	200
	± 4%	± 7%	± 3	± 2	± 10	± 50%	± 50%



Fat Matt 1.3 Natural

Property Standard Unit	Basis weight ISO 536 g/m ²	Thickness ISO 534 µm	Whiteness CIE (D65/10°) ISO 11475 index	Opacity ISO 2471 %	Relative Humidity TAPPI 502 %	Roughness ISO 8791-4 ml/min
	90	116	88	91.5	50	100
	100	130	88	93.0	50	100
	115	150	88	95.0	50	100
	135	176	88	96.0	50	100
	150	195	88	97.5	50	100
	200	260	88	-	50	100
	250	325	88	-	50	100
	± 4%	± 3%	± 3	± 1	± 5	± 50



Fat Matt 1.3 Ivory

Property Standard Unit	Basis weight ISO 536 g/m ²	Thickness ISO 534 µm	Whiteness CIE (D65/10°) ISO 11475 index	Opacity ISO 2471 %	Relative Humidity TAPPI 502 %	Roughness ISO 8791-4 ml/min
	90	116	71	91.5	50	100
	100	130	71	93.0	50	100
	115	150	71	95.0	50	100
	135	176	71	96.0	50	100
	150	195	71	97.5	50	100
	200	260	71	-	50	100
	250	325	71	-	50	100
	± 4%	± 3%	± 3	± 1	± 5	± 50