

Product Specifications: SPB SUPERWHITE

PARTICULARS	Units	SURFACE SIZED		SURFACE SIZED		
		50-54 gsm	55-58 gsm	60 gsm	70 gsm	80/90
Grammage variation	%	± 4.0	± 4.0	± 2.5	± 2.5	± 2.5
Bulk (min)	cc/g	1.25	1.25	1.25	1.25	1.25
Burst factor (min)	-	17	17	17	17	17
Tear factor (min) MD	-	45	45	45	45	45
Tear factor (min) CD	-	50	50	50	50	50
Breaking length (min) MD	m	4500	4500	4500	4500	4500
Breaking length (min) CD	m	2200	2200	2200	2200	2200
Smoothness (Bendtsen) TS (max) WS	ml/min	220	240	240	260	280
	ml/min	200	200	200	200	200
Porosity (Bendsten) (max)	ml/min	400	400	400	400	400
Brightness (ISO) (min)	%	92	92	92	92	92
Printers Opacity (min)	%	85	87	90	91	92
Cobb sizing (1 min) (avg) (max)	gsm	25	25	25	25	25
Wax pick (min) F/B	No	12/12	12/12	12/12	12/12	12/12

**TECHNICAL SPECIFICATION FOR SILVER BRITE/
SS MAPLITHO WOOD FREE PTG PAPER(SB)**

PARTICULARS	Unit	60 – 80 GSM	90 – 120 GSM
Substance tolerance	Gsm	± 2.5%	± 2.5%
Bulk (min)	Cc/g	1.25	1.25
Breaking length MD / CD (min)	M	4300 / 2200	4400 / 2300
Tear Factor MD / CD (min)		45 / 50	45 / 50
Burst Factor (min)		18	18
Smoothness (Bendtsen) TS	ml/min	230	230
Smoothness (Bendtsen) WS	ml/min	200	200
Porosity (max)	ml/min	400-500	400-500
Brightness	% ISO	91	91
Printers Opacity	%	90	91
Cobb sizing – 1 min	g/m ²	20-22	20-22
Wax pick TS / WS	No	14/14	14/14

BGPPL IMPERIAL C2S ART BOARD (GLOSS)

KIND OF TEST		UNIT	Test Method Reference	180	190	200	210	220	Tolerance
GRAMMAGE		<i>gsm</i>	T-410 om-93	180	190	200	210	220	±2.5%
BULK		<i>cc/gm</i>	T-411 om-89	0.84	0.85	0.86	0.87	0.88	±0.03
BENDING STIFFNESS	MD	Taber	T-836 pm-95	10	12	13	18	20	Min.
50mm, 15° angle	CD	Taber		6	8	9	10	11	Min.
BREAKING LENGTH	MD	meter	T-494 om-88	3200	3200	3200	3200	3200	±500
	CD	meter		2000	2000	2000	2000	2000	±500
ISO BRIGHTNESS	T/B	%	T-452 om-92	87	87	87	87	87	±1
ISO OPACITY		%	T-425 om-89	99	99	99	99	99	±2
ISO GLOSS at 75°	T/B	%	T-480 om-92	70	70	70	70	70	±5
PARKER PRINT SURF	T/B	μ	T-555 pm-94	1.25	1.25	1.25	1.25	1.25	Max.
IGT PICK (MVO)	T/B	cm/sec	T-514 cm-92	110	110	110	110	110	Min.
SURFACE pH	T/B	-	T-529 om-88	7 - 8	7 - 8	7 - 8	7 - 8	7 - 8	-

BGPPL IMPERIAL C2S ART BOARD (GLOSS)

KIND OF TEST		UNIT	Test Method Reference	230	250	300	350	Tolerance
GRAMMAGE		gsm	T-410 om-93	230	250	300	350	±2.5%
BULK		cc/gm	T-411 om-89	0.88	0.95	0.95	0.95	±0.03
BENDING STIFFNESS	MD	Taber	T-836 pm-95	25	40	60	95	Min.
50mm, 15 ⁰ angle	CD	Taber		15	30	35	54	Min.
BREAKING LENGTH	MD	meter	T-494 om-88	3200	3200	3200	3200	±500
	CD	meter		2000	2000	2000	2000	±500
ISO BRIGHTNESS	T/B	%	T-452 om-92	87	87	87	87	±1
ISO OPACITY		%	T-425 om-89	99	99	99	99	±2
ISO GLOSS at 75°	T/B	%	T-480 om-92	70	70	70	65	±5
PARKER PRINT SURF	T/B	μ	T-555 pm-94	1.25	1.50	1.50	1.50	Max.
IGT PICK (MVO)	T/B	cm/sec	T-514 cm-92	110	110	110	110	Min.
SURFACE pH	T/B	-	T-529 om-88	7 - 8	7 - 8	7 - 8	7 - 8	-

BGPPL IMPERIAL C2S ART PAPER (GLOSS)

KIND OF TEST		UNIT	Test Method Reference	80	90	100	115	Tolerance
GRAMMAGE		gsm	T-410 om-93	80	90	100	115	Less than 130±4%, 130 and above ±2.5%
BULK		cc/gm	T-411 om-89	0.77	0.77	0.77	0.78	±0.03
BENDING STIFFNESS	MD	mN	T-836 pm-95	40	70	80	125	Min.
10mm, 30° angle	CD	mN		25	35	45	70	Min.
BREAKING LENGTH	MD	meter	T-494 om-88	4500	4500	4500	4500	±500
	CD	meter		2000	2000	2000	2000	±500
ISO BRIGHTNESS	T/B	%	T-452 om-92	87	87	87	87	±1
ISO OPACITY		%	T-425 om-89	90	92	93	96	±2
ISO GLOSS AT 75°	T/B	%	T-480 om-92	65	70	70	70	±5
PARKER PRINT SURF	T/B	μ	T-555 pm-94	1.25	1.00	1.00	1.00	Max.
IGT (MVO)	MD	cm/sec	T-514 cm-92	110	110	110	110	Min.
SURFACE pH	T/B		T-529 om-88	7-8	7-8	7-8	7-8	-

BGPPL IMPERIAL C2S ART PAPER (GLOSS)

KIND OF TEST		UNIT	Test Method Reference	120	130	150	170	Tolerance
GRAMMAGE		gsm	T-410 om-93	120	130	150	170	Less than 130±4%, 130 and above ±2.5%
BULK		cc/gm	T-411 om-89	0.78	0.80	0.80	0.80	±0.03
BENDING STIFFNESS	MD	mN	T-836 pm-95	140	190	280	360	Min.
10mm, 30° angle	CD	mN		80	90	160	210	Min.
BREAKING LENGTH	MD	meter	T-494 om-88	4500	4500	4000	4000	±500
	CD	meter		2000	2000	2000	2000	±500
ISO BRIGHTNESS	T/B	%	T-452 om-92	87	87	87	87	±1
ISO OPACITY		%	T-425 om-89	97	97	98	98	±2
ISO GLOSS AT 75°	T/B	%	T-480 om-92	70	70	70	70	±5
PARKER PRINT SURF	T/B	μ	T-555 pm-94	1.00	1.00	1.00	1.00	Max.
IGT (MVO)	MD	cm/sec	T-514 cm-92	110	110	110	110	Min.
SURFACE pH	T/B		T-529 om-88	7 - 8	7 - 8	7 - 8	7 - 8	-

BGPPL IMPERIAL C2S ART BOARD (GLOSS) - HIGH BULK

Dt.01.03.2022

KIND OF TEST		UNIT	Test Method Reference	210	250	300	Tolerance
GRAMMAGE		gsm	T-410 om-93	210	250	300	±2.5%
BULK		cc/gm	T-411 om-89	0.95	1.00	1.00	±0.03
BENDING STIFFNESS	MD	Taber	T-836 pm-95	22	43	70	Min.
50mm, 15° angle	CD	Taber		16	27	40	Min.
BREAKING LENGTH	MD	meter	T-494 om-88	3200	3200	3200	±500
	CD	meter		2000	2000	2000	±500
ISO BRIGHTNESS	T/B	%	T-452 om-92	87	87	87	±1
ISO OPACITY		%	T-425 om-89	99	99	99	±2
ISO GLOSS at 75°	T/B	%	T-480 om-92	60	60	60	±5
PARKER PRINT SURF	T/B	μ	T-555 pm-94	1.75	1.75	1.75	Max.
IGT PICK (MVO)	T/B	cm/sec	T-514 cm-92	110	110	110	Min.
SURFACE pH	T/B	-	T-529 om-88	7 - 8	7 - 8	7 - 8	-

BGPPL IMPERIAL C2S ART BOARD (MATT)

KIND OF TEST		UNIT	Test Method Reference	180	190	200	210	220	Tolerance
GRAMMAGE		gsm	T-410 om-93	180	190	200	210	220	±2.5%
BULK		cc/gm	T-411 om-89	0.98	0.98	0.98	0.98	0.98	±0.03
BENDING STIFFNESS	MD	Taber	T-836 pm-95	12	15	20	24	30	Min.
50mm, 15° angle	CD	Taber		6	8	10	13	15	Min.
BREAKING LENGTH	MD	meter	T-494 om-88	3200	3200	3200	3200	3200	±500
	CD	meter		2000	2000	2000	2000	2000	±500
ISO BRIGHTNESS	T/B	%	T-452 om-92	88	88	88	88	88	±1
ISO OPACITY		%	T-425 om-89	99	99	99	99	99	±2
ISO GLOSS at 75°	T/B	%	T-480 om-92	33	33	33	33	33	±5
PARKER PRINT SURF	T/B	μ	T-555 pm-94	2.50	2.50	2.50	2.50	2.50	Max.
IGT PICK (MVO)	T/B	cm/sec	T-514 cm-92	110	110	110	110	110	Min.
SURFACE pH	T/B	-	T-529 om-88	7-8	7-8	7-8	7-8	7-8	

BGPPL IMPERIAL C2S ART BOARD (MATT)

Dt.01.03.2022

KIND OF TEST		UNIT	Test Method Reference	230	250	300	350	Tolerance
GRAMMAGE		gsm	T-410 om-93	230	250	300	350	±2.5%
BULK		cc/gm	T-411 om-89	1.00	1.00	1.00	1.00	±0.03
BENDING STIFFNESS	MD	Taber	T-836 pm-95	33	45	75	110	Min.
50mm, 15° angle	CD	Taber		18	25	45	65	Min.
BREAKING LENGTH	MD	meter	T-494 om-88	3200	3200	3200	3200	±500
	CD	meter		2000	2000	2000	2000	±500
ISO BRIGHTNESS	T/B	%	T-452 om-92	88	88	88	88	±1
ISO OPACITY		%	T-425 om-89	99	99	99	99	±2
ISO GLOSS at 75°	T/B	%	T-480 om-92	33	33	33	33	±5
PARKER PRINT SURF	T/B	μ	T-555 pm-94	2.50	2.50	2.50	2.50	Max.
IGT PICK (MVO)	T/B	cm/sec	T-514 cm-92	110	110	110	110	Min.
SURFACE pH	T/B	-	T-529 om-88	7 - 8	7 - 8	7 - 8	7 - 8	

BGPPL IMPERIAL C2S ART PAPER (MATT)

KIND OF TEST		UNIT	Test Method Reference	80	90	100	115	Tolerance
GRAMMAGE		gsm	T-410 om-93	80	90	100	115	Less than 130±4%, 130 and above ±2.5%
BULK		cc/gm	T-411 om-89	0.87	0.87	0.87	0.88	±0.03
BENDING STIFFNESS	MD	mN	T-836 pm-95	50	85	100	160	Min.
10mm, 30° angle	CD	mN		30	45	55	100	Min.
BREAKING LENGTH	MD	meter	T-494 om-88	4500	4500	4500	4500	±500
	CD	meter		2000	2000	2000	2000	±500
ISO BRIGHTNESS	T/B	%	T-452 om-92	88	88	88	88	±1
ISO OPACITY		%	T-425 om-89	92	93	94	97	±2
ISO GLOSS at 75°	T/B	%	T-480 om-92	28	28	25	25	±5
PARKER PRINT SURF	T/B	μ	T-555 pm-94	2.50	2.50	2.50	2.50	Max.
IGT PICK (MVO)	T/B	cm/sec	T-514 cm-92	110	110	110	110	Min.
SURFACE pH	T/B	-	T-529 om-88	7-8	7-8	7-8	7-8	-

BGPPL IMPERIAL C2S ART PAPER (MATT)

Dt.01.03.2022

KIND OF TEST		UNIT	Test Method Reference	120	130	150	170	Tolerance
GRAMMAGE		gsm	T-410 om-93	120	130	150	170	Less than 130±4%,130 or above ±2.5%
BULK		cc/gm	T-411 om-89	0.88	0.90	0.90	0.90	±0.03
BENDING STIFFNESS	MD	mN	T-836 pm-95	200	260	400	500	Min.
10mm, 30° angle	CD	mN		130	140	210	300	Min.
BREAKING LENGTH	MD	meter	T-494 om-88	4500	4500	4500	4500	±500
	CD	meter		2000	2000	2000	2000	±500
ISO BRIGHTNESS	T/B	%	T-452 om-92	88	88	88	88	±1
ISO OPACITY		%	T-425 om-89	97	97	98	99	±2
ISO GLOSS at 75°	T/B	%	T-480 om-92	25	25	25	25	±5
PARKER PRINT SURF	T/B	μ	T-555 pm-94	2.50	2.50	2.50	2.50	Max.
IGT PICK (MVO)	T/B	cm/sec	T-514 cm-92	110	110	110	110	Min.
SURFACE pH	T/B	-	T-529 om-88	7 - 8	7 - 8	7 - 8	7 - 8	-