

COATED

WOODFREE PAPER



BGPPL

Range of Coated Papers from BGPPL

Bilt Graphic Paper Products Limited (BGPPL) is a leading producer of Woodfree Coated & Uncoated range of products. BGPPL produces the finest varieties of paper through state of art technology that has already made a mark in more than 55 countries across the globe including developed markets like the USA, Australia & Europe.

BGPPL has its manufacturing facilities at Bhigwan, Ballarpur & Ashti in Maharashtra.

Unit Bhigwan is focussed on Premium Coated Woodfree Papers manufactured from 100% Virgin Wood fibre sources (imported & indigenous) which are responsibly managed & harvested under sustainable forestry programmes.

BGPPL brought in the most modern technology to India with the intention of meeting every demand of the rapidly progressing printing industry. Our Woodfree Coated facility is located in the western part of the country, close to the commercial city & port of Mumbai. The plant boasts two state of the art paper machines with a capacity of 315,000 MTPA, manufacturing fine quality coated papers of various grammages, sizes and finishes. These range of products are marketed under Brand “Imperial”.

“Imperial” is a versatile, consistent and superior double coated paper. It delivers exceptionally vibrant images across multiple printing platforms. “Imperial” adds to the attractiveness of message with spectacular image fidelity and printed results. A paper that will let you dream, invent, visualize. So no matter what you wish to print, a glossy calendar, a smooth magazine, a slick book cover or a bright label, we have the perfect paper for it. This paper is suitable for Offset, Rotogravure, Digital reel fed, Digital sheet fed, Flexo & Heat set web offset printing machines.

Mill Certification

ISO 9001 The manufacturing quality is managed according to the requirements of ISO 9001.

ISO 14001 The environmental aspects of the mill are managed according to the requirements of ISO 14001.

ISO 45001 The health and safety of the mill employees are managed according to the requirements of ISO 45001.

ISO 50001 The energy in production process is managed according to ISO 50001.

FOREST CERT The mill is PEFC certified (PEFC/42-31-02) and wood raw material originates from sustainable and controlled sources.

Segments

Coffee table books
Magazines
Calendars
Catalogues
Brochures
Posters
Publications
Annual Reports
Advertising
Commercial Printing
Gumming sheets
Playing cards
Industrial packaging

Product Certification

FOREST CERT PEFC certified (PEFC/42-31-02) product on request / subject to availability.

US FDA The product passes the US FDA 21 CFR 176.170 test for direct contact with dry and fatty food stuff.

BfR The product passes the BfR recommendation XXXVI test for direct contact with dry and fatty food stuff.

REACH The product is in compliance with the REACH regulations for purity requirements (heavy metal content).

BIS BIS certified product on request / subject to availability

ECF The pulp used is without elemental chlorine (ECF).

Product Highlights

High Print Gloss
Smooth paper surface
High surface strength
High registering accuracy
Outstanding dot fidelity

Suitable for Offset and Digital printing
Available in both sheet and reels
Product is fully recyclable



Technical Specifications

BGPPL IMPERIAL C2S ART PAPER (GLOSS)

PROPERTIES		UNIT	Test Method Reference	80	90	100	115	120	130	150	170	Tolerance
GRAMMAGE		gsm	T-410 om-93	80	90	100	115	120	130	150	170	Less than 130±4%,130 and above ±2.5%
BULK		cc/gm	T-411 om-89	0.77	0.77	0.77	0.78	0.78	0.80	0.80	0.80	±0.03
BENDING STIFFNESS	MD	mN	T-836 pm-95	40	70	80	125	140	190	280	360	Min.
10mm, 30° angle	CD	mN		25	35	45	70	80	90	160	210	Min.
BREAKING LENGTH	MD	meter	T-494 om-88	4500	4500	4500	4500	4500	4500	4000	4000	±500
	CD	meter		2000	2000	2000	2000	2000	2000	2000	2000	±500
ISO BRIGHTNESS	T/B	%	T-452 om-92	87	87	87	87	87	87	87	87	±1
ISO OPACITY		%	T-452 om-91	90	92	93	96	97	97	98	98	±2
ISO GLOSS AT 75°	T/B	%	T-480 om-92	65	70	70	70	70	70	70	70	±5
PARKER PRINT SURF	T/B	μ	T-555 pm-94	1.25	1.00	1.00	1.00	1.00	1.00	1.00	1.00	Max.
IGT (MVO)	MD	cm/sec	T-514 cm-92	110	110	110	110	110	110	110	110	Min.
SURFACE pH	T/B		T-529 om-88	7 - 8	7 - 8	7 - 8	7 - 8	7 - 8	7 - 8	7 - 8	7 - 8	-

BGPPL IMPERIAL C2S ART PAPER (MATT)

PROPERTIES		UNIT	Test Method Reference	80	90	100	115	120	130	150	170	Tolerance
GRAMMAGE		gsm	T-410 om-93	80	90	100	115	120	130	150	170	Less than 130±4%,130 and above ±2.5%
BULK		cc/gm	T-411 om-89	0.87	0.87	0.87	0.88	0.88	0.90	0.90	0.90	±0.03
BENDING STIFFNESS	MD	mN	T-836 pm-95	50	85	100	160	200	260	400	500	Min.
10mm, 30° angle	CD	mN		30	45	55	100	130	140	210	300	Min.
BREAKING LENGTH	MD	meter	T-494 om-88	4500	4500	4500	4500	4500	4500	4500	4500	±500
	CD	meter		2000	2000	2000	2000	2000	2000	2000	2000	±500
ISO BRIGHTNESS	T/B	%	T-452 om-92	88	88	88	88	88	88	88	88	±1
ISO OPACITY		%	T-452 om-91	92	93	94	97	97	97	98	99	±2
ISO GLOSS AT 75°	T/B	%	T-480 om-92	28	28	25	25	25	25	25	25	±5
PARKER PRINT SURF	T/B	μ	T-555 pm-94	2.50	2.50	2.50	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	110	110	110	Min.
SURFACE pH	T/B	-	T-529 om-88	7 - 8	7 - 8	7 - 8	7 - 8	7 - 8	7 - 8	7 - 8	7 - 8	-

BGPPL IMPERIAL C2S ART BOARD (GLOSS)

PROPERTIES		UNIT	Test Method Reference	180	190	200	210	220	230	250	300	350	Tolerance
GRAMMAGE		gsm	T-410 om-93	180	190	200	210	220	230	250	300	350	±2.5%
BULK		cc/gm	T-411 om-89	0.84	0.85	0.86	0.87	0.88	0.88	0.95	0.95	0.95	±0.03
BENDING STIFFNESS	MD	Taber	T-836 pm-95	10	12	13	18	20	25	40	60	95	Min.
50mm, 15° angle	CD	Taber		6	8	9	10	11	15	30	35	54	Min.
BREAKING LENGTH	MD	meter	T-494 om-88	3200	3200	3200	3200	3200	3200	3200	3200	3200	±500
	CD	meter		2000	2000	2000	2000	2000	2000	2000	2000	2000	±500
ISO BRIGHTNESS	T/B	%	T-452 om-92	87	87	87	87	87	87	87	87	87	±1
ISO OPACITY		%	T-452 om-91	99	99	99	99	99	99	99	99	99	±2
ISO GLOSS AT 75°	T/B	%	T-480 om-92	70	70	70	70	70	70	70	70	65	±5
PARKER PRINT SURF	T/B	μ	T-555 pm-94	1.25	1.25	1.25	1.25	1.25	1.25	1.50	1.50	1.50	Max.
IGT PICK (MVO)	T/B	cm/sec	T-514 cm-92	110	110	110	110	110	110	110	110	110	Min.
SURFACE pH	T/B	-	T-529 om-88	7 - 8	7 - 8	7 - 8	7 - 8	7 - 8	7 - 8	7 - 8	7 - 8	7 - 8	-

BGPPL IMPERIAL C2S ART BOARD (MATT)

PROPERTIES		UNIT	Test Method Reference	180	190	200	210	220	230	250	300	350	Tolerance
GRAMMAGE		gsm	T-410 om-93	180	190	200	210	220	230	250	300	350	±2.5%
BULK		cc/gm	T-411 om-89	0.96	0.96	0.96	0.97	0.98	1.00	1.00	1.00	1.00	±0.03
BENDING STIFFNESS	MD	Taber	T-836 pm-95	12	15	20	24	30	33	45	75	110	Min.
50mm, 15° angle	CD	Taber		6	8	10	13	15	18	25	45	65	Min.
BREAKING LENGTH	MD	meter	T-494 om-88	3200	3200	3200	3200	3200	3200	3200	3200	3200	±500
	CD	meter		2000	2000	2000	2000	2000	2000	2000	2000	2000	±500
ISO BRIGHTNESS	T/B	%	T-452 om-92	88	88	88	88	88	88	88	88	88	±1
ISO OPACITY		%	T-452 om-91	99	99	99	99	99	99	99	99	99	±2
ISO GLOSS AT 75°	T/B	%	T-480 om-92	33	33	33	33	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	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	110	110	110	110	Min.
SURFACE pH	T/B	-	T-529 om-88	7 - 8	7 - 8	7 - 8	7 - 8	7 - 8	7 - 8	7 - 8	7 - 8	7 - 8	-

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Technical Specifications

BGPPL IMPERIAL PIGMENTED PAPER (MATT)							
PROPERTIES		UNIT	Test Method Reference	70	80	Tolerance	
GRAMMAGE		gsm	T-410 om-93	70	80	±4%	
BULK		cc/gm	T-411 om-89	1.00	0.98	±0.03	
BENDING STIFFNESS	MD	mN	T-836 pm-95	65	118	Min.	
10mm, 30° angle	CD	mN		40	73	Min.	
BREAKING LENGTH	MD	meter	T-494 om-88	5500	5500	±500	
	CD	meter		3000	3000	±500	
ISO BRIGHTNESS	T/B	%	T-452 om-92	90	90	±1	
ISO OPACITY		%	T-452 om-91	90	92	±2	
ISO GLOSS at 75°	T/B	%	T-480 om-92	22	22	±5	
PARKER PRINT SURF	T/B	μ	T-555 pm-94	2.50	2.50	Max.	
IGT PICK (MVO)	T/B	cm/sec	T-514 cm-92	110	110	Min.	
SURFACE pH	T/B	-	T-529 om-88	7 - 8	7 - 8	-	

BGPPL IMPERIAL C2S ART BOARD (GLOSS) - HIGH BULK							
PROPERTIES		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-452 om-91	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 PAPER / BOARD (MATT) - DIGITAL								
PROPERTIES		UNIT	Test Method Reference	170	220	250	300	Tolerance
GRAMMAGE		gsm	T-410 om-93	170	220	250	300	±2.5%
BULK		cc/gm	T-411 om-89	1.00	1.05	1.10	1.10	±0.03
BENDING STIFFNESS	MD	mN	T-836 pm-95	950	-	-	-	Min.
10mm, 30° angle	CD	mN		550	-	-	-	Min.
BENDING STIFFNESS	MD	Taber	T-836 pm-95	-	28	47	80	Min.
50mm, 15° angle	CD	Taber		-	13	23	40	Min.
BREAKING LENGTH	MD	meter	T-494 om-88	3000	3000	3000	3000	±500
	CD	meter		2000	2000	2000	2000	±500
ISO BRIGHTNESS	T/B	%	T-452 om-92	88	88	88	88	±1
ISO OPACITY		%	T-452 om-91	99	99	99	99	±2
ISO GLOSS at 75°	T/B	%	T-480 om-92	25	30	30	30	±5
PARKER PRINT SURF	T/B	μ	T-555 pm-94	3.00	3.00	3.00	3.00	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 C1S ART PAPER (GLOSS)										
PROPERTIES		UNIT	Test Method Reference	70	75	80	90	100	110	Tolerance
GRAMMAGE		gsm	T-410 om-93	70	75	80	90	100	110	±4%
BULK		cc/gm	T-411 om-89	0.81	0.81	0.81	0.81	0.83	0.83	±0.03
BREAKING LENGTH	MD	meter	T-494 om-88	4500	4500	4500	4500	4500	4500	±500
	CD	meter		2000	2000	2000	2000	2000	2000	±500
ISO BRIGHTNESS	CS	%	T-452 om-92	86	86	86	86	86	86	±1
ISO OPACITY		%	T-452 om-91	88	89	91	92	93	94	±2
ISO GLOSS at 75°	CS	%	T-480 om-92	70	70	70	70	70	70	±5
PARKER PRINT SURF	CS	μ	T-555 pm-94	1.25	1.25	1.00	1.00	1.00	1.00	Max.
IGT PICK (MVO)	CS	cm/sec	T-514 cm-92	110	110	110	110	110	110	Min.
SURFACE pH	CS	-	T-529 om-88	7 - 8	7 - 8	7 - 8	7 - 8	7 - 8	7 - 8	-

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