

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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