

# **UNCOATED**

## **WOODFREE PAPER**



**BGPPL**

## Range of Uncoated 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 across the globe.

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

Ballarpur & Ashti units are focussed on providing Premium Uncoated Woodfree High Bright Writing & Printing papers & Premium Quality Office Papers. This paper is manufactured from 100% Virgin Wood fibres that have been responsibly managed & harvested under farm forestry programme.

BGPPL's products are serviced through a nationwide network of distributors & are exported to more than 55 countries across the globe including USA, Australia & Europe.

Customers rely on our signature brands including Majestic Print, Vector Print, Supernova, Maplitho NSD Premium, Infinity Bond, Rapid Copy Paper, KoKo Copy Paper etc to educate, communicate & advertise.

### 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/42-31-05) and wood raw material originates from sustainable and controlled sources.

### Segments

Schools & Publications  
Annual Reports  
Letter Heads  
Advertising  
Commercial Printing  
Direct mails, Bills & Statements  
Paper bags  
Industrial packaging  
Coating base  
Office papers

### Product Certification

- US FDA** The product passes the US FDA 21 CFR 176.170 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).
- RoHS** The product is in compliance with the RoHS regulations for restriction of Hazardous substances.
- BIS** BIS certified product on request / subject to availability
- ECF** The pulp used is without elemental chlorine (ECF).

### Product Highlights

High Bulk, Brightness, Opacity, Stiffness & Strength Properties  
Excellent formation  
Alkaline sized  
Available in widest gsm range of 50 – 150 gsm  
Synchro cut material

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



# Technical Specifications

## BGPPL MAJESTIC PRINT

Properties	Unit	50/52gsm	54/55gsm	57/58gsm	60gsm	64gsm	68/70gsm	80gsm	90gsm	100gsm	110/120gsm*	Tolerance
Substance	gsm	50	54/55	57/58	60	64	68/70	80	90	100	110/120	±2.5% (AVG.)
Bulk	cc/g	1.35	1.35	1.35	1.35	1.32	1.30	1.28	1.25	1.20	1.18	Min.
Brightness, ISO	%	92	92	92	92	92	92	92	92	92	92	Min.
Whiteness, CIE	%	130	130	130	130	130	130	130	130	130	130	Min.
Opacity, ISO	%	84	86	88	89	90	91	92	93	94	94	Min.
Bendtsen Smoothness (T)	ml/min	150	150	150	150	150	150	150	150	150	150	Max.
Bendtsen Smoothness (B)	ml/min	200	200	200	200	200	200	200	200	200	200	Max.
Gurley Porosity	s/100ml	15	15	15	15	15	15	20	20	20	20	Min.
Wax Pick	No	14	14	14	14	14	14	14	14	12	12	Min.
Cobb-60	gsm	25	25	25	25	30	30	30	30	30	30	Max.
Breaking Length-MD	meter	4000	4000	4000	4000	4000	4000	4000	3800	3800	3800	Min.
Breaking Length-CD	meter	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	Min.

## BGPPL VECTOR PRINT

Properties	Unit	50/52gsm	54/55gsm	57/58gsm	60gsm	64gsm	68/70gsm	80gsm	90gsm	100gsm	110/120gsm*	Tolerance
Substance	gsm	50	54/55	57/58	60	64	68/70	80	90	100	110/120	±2.5% (AVG.)
Bulk	cc/g	1.40	1.40	1.37	1.35	1.32	1.30	1.28	1.25	1.20	1.18	Min.
Brightness, ISO	%	92	92	92	92	92	92	92	92	92	92	Min.
Whiteness, CIE	%	150	150	150	150	150	150	150	150	150	150	Min.
Opacity, ISO	%	88	89	90	91	92	93	95	96	96	96	Min.
Bendtsen Smoothness (T)	ml/min	250	250	250	250	150	150	150	150	150	150	Max.
Bendtsen Smoothness (B)	ml/min	250	250	250	250	200	200	200	200	200	200	Max.
Gurley Porosity	s/100ml	15	15	15	15	15	15	20	20	20	20	Min.
Wax Pick	No	14	14	14	14	14	14	14	14	12	12	Min.
Cobb-60	gsm	25	25	25	25	30	30	30	30	30	30	Max.
Breaking Length-MD	meter	4000	4000	4000	4000	4000	4000	4000	3800	3800	3800	Min.
Breaking Length-CD	meter	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	Min.

## BGPPL SUPERNOVA (HB)

Properties	Unit	60/66gsm	68/70gsm	75/80gsm	90gsm	95gsm	100gsm	110gsm	120gsm	140/150gsm*	Tolerance
Substance	gsm	70	70	80	90	95	100	110	120	140/150	±2.5% (AVG.)
Bulk	cc/g	1.4	1.4	1.4	1.4	1.38	1.38	1.37	1.37	1.37	Min.
Brightness, ISO	%	91	91	91	91	91	91	91	91	91	Min.
Whiteness, CIE	%	120	120	120	120	120	120	120	120	120	Min.
Opacity, ISO	%	88	90	91	92	93	94	95	95	96	Min.
Bendtsen Smoothness (T)	ml/min	175	175	175	175	175	175	175	175	175	Max.
Bendtsen Smoothness (B)	ml/min	275	275	275	275	275	275	275	275	275	Max.
Gurley Porosity	s/100ml	10	10	10	10	10	10	15	15	15	Min.
Wax Pick	No	13	13	13	13	13	13	13	13	13	Min.
Cobb-60	gsm	30	30	30	30	30	30	30	30	30	Max.
Breaking Length-MD	meter	4000	4000	4000	4000	4000	4000	4000	4000	4000	Min.
Breaking Length-CD	meter	2200	2200	2200	2200	2200	2200	2200	2200	2200	Min.

## BGPPL SUPERNOVA - WHITE

Properties	Unit	70gsm	80gsm	90gsm	95gsm	100gsm	110gsm	120gsm	130gsm	140/150gsm*	Tolerance
Substance	gsm	70	80	90	95	100	110	120	130	140/150	±2.5% (AVG.)
Bulk	cc/g	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	Min.
Brightness, ISO	%	91	91	91	91	91	91	91	91	91	Min.
Whiteness, CIE	%	120	120	120	120	120	120	120	120	120	Min.
Opacity, ISO	%	90	92	93	93	95	95	95	95	96	Min.
Bendtsen Smoothness (T)	ml/min	170	170	170	170	170	170	170	170	170	Max.
Bendtsen Smoothness (B)	ml/min	250	250	250	250	250	250	250	250	250	Max.
Gurley Porosity	s/100ml	10	10	10	10	10	15	15	15	15	Min.
Wax Pick	No	13	13	13	13	13	13	13	13	13	Min.
Cobb-60	gsm	30	30	30	30	30	30	30	30	30	Max.
Breaking Length-MD	meter	4000	4000	4000	4000	4000	4000	4000	4000	4000	Min.
Breaking Length-CD	meter	2200	2200	2200	2200	2200	2200	2200	2200	2200	Min.

Important: The information given is based to the best of our knowledge. It is given in good faith and represents neither implied nor actual guarantee and no legal warranty for specific properties or for suitability for a specific application. Responsibility for testing the suitability of the product for specific applications lies with the purchaser. We shall be pleased to aid customers with such tests where-ever possible. Should a claim be taken into consideration, liability will, under no circumstances exceed the value of the goods supplied. BGPPL guarantees the impeccable quality of its goods in accordance with agreed specifications under standard testing conditions and their General conditions of sale & delivery.

# Technical Specifications

BGPPPL MAPLITHO NSD PREMIUM											
Properties	Unit	56/58gsm	60gsm	64gsm	68/70gsm	75gsm	80gsm	90/95gsm	100gsm	120gsm*	Tolerance
Substance	gsm	56/58	60	64	68/70	75	80	90/95	100	120	±2.5% (AVG.)
Bulk	cc/g	1.25	1.25	1.25	1.25	1.2	1.2	1.2	1.2	1.2	Min.
Brightness, ISO	%	91	91	91	91	91	91	91	91	91	Min.
Whiteness, CIE	%	140	140	140	140	140	140	140	140	140	Min.
Opacity, ISO	%	89	91	92	93	94	94	95	95	96	Min.
Bendtsen Smoothness (T)	ml/min	130	130	130	130	130	130	150	150	150	Max.
Bendtsen Smoothness (B)	ml/min	150	150	150	150	150	150	200	200	200	Max.
Gurley Porosity	s/100ml	15	15	15	15	15	15	15	15	15	Min.
Wax Pick	No	12	12	12	12	12	12	12	12	12	Min.
Cobb-60	gsm	30	30	30	30	30	30	30	30	30	Max.
Breaking Length-MD	meter	4000	4000	4000	4000	4000	4000	4000	4000	4000	Min.
Breaking Length-CD	meter	2000	2000	2000	2000	2000	2000	2000	2000	2000	Min.

BGPPPL MAPLITHO NATURAL SHADE (HB)									
Properties	Unit	60gsm	68gsm	70gsm	78gsm	80gsm	90gsm	Tolerance	
Substance	gsm /	60	68	70	78	80	90	±2.5% (AVG.)	
Bulk	cc/g	1.4	1.4	1.4	1.4	1.4	1.4	Min.	
Brightness, ISO	%	86	86	86	86	86	86	Min.	
Opacity, ISO	%	85	86	86	87	87	89	Min.	
Bendtsen Smoothness (T)	ml/min	175	175	175	175	175	175	Max.	
Bendtsen Smoothness (B)	ml/min	275	275	275	275	275	275	Max.	
Gurley Porosity	s/100ml	15	15	15	15	15	15	Min.	
Wax Pick	No	13	13	13	13	13	13	Min.	
Cobb-60	gsm	30	30	30	30	30	30	Max.	
Breaking Length-MD	meter	4000	4000	4000	4000	4000	4000	Min.	
Breaking Length-CD	meter	2200	2200	2200	2200	2200	2200	Min.	

BGPPPL MAPLITHO COPIER GRADE										
Properties	Unit	58gsm	60gsm	64gsm	68/70gsm	80gsm	90gsm	95gsm	100gsm	Tolerance
Substance	gsm	58	60	64	68/70	75	80	90/95	100	±2.5% (AVG.)
Bulk	cc/g	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	Min.
Brightness, ISO	%	88	88	88	88	88	88	88	88	Min.
Opacity, ISO	%	91	91	92	93	94	94	95	95	Min.
Bendtsen Smoothness (T)	ml/min	150	150	150	150	150	150	150	150	Max.
Bendtsen Smoothness (B)	ml/min	225	225	225	225	225	225	225	225	Max.
Gurley Porosity	s/100ml	15	15	15	15	15	15	15	15	Min.
Wax Pick	No	12	12	12	12	12	12	12	12	Min.
Cobb-60	gsm	30	30	30	30	30	30	30	30	Max.
Breaking Length-MD	meter	4000	4000	4000	4000	4000	4000	4000	4000	Min.
Breaking Length-CD	meter	2000	2000	2000	2000	2000	2000	2000	2000	Min.

BGPPPL EDGE PLUS							
Properties	Unit	90gsm	100gsm	110gsm	115gsm	120gsm	Tolerance
Substance	gsm	90	100	110	115	120	±2.5%
Bulk	cc/gm	1.25	1.25	1.25	1.25	1.25	Min.
Brightness, ISO	%	91	91	91	91	91	Min.
Whiteness, CIE	%	120	120	120	120	120	Min.
Opacity, ISO	%	91	92	94	95	95	Min.
Bendtsen Smoothness (T)	ml/min	150	150	150	150	150	Max.
Bendtsen Smoothness (B)	ml/min	200	200	200	200	200	Max.
Gurley Porosity	s/100ml	10	10	10	10	10	Min.
Wax Pick	No	13	13	13	13	13	Min.
Cobb-60	gsm	30	30	30	30	30	Max.
Breaking Length-MD	meter	5500	5500	5500	5500	5500	Min.
Breaking Length-CD	meter	3000	3000	3000	3000	3000	Min.
Tear Factor		70	70	70	70	70	Min.
Burst Factor		28	28	28	28	28	Min.

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