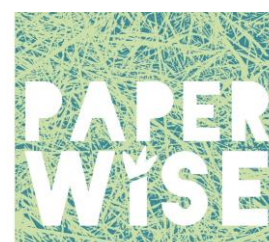


SPECIFICATIONS



WISE WITH WASTE

PaperWise White

Environmentally friendly, socially responsible paper made from agricultural waste.

PaperWise White is paper made from agricultural waste, white coloured, CO2 neutral and suitable for recycling. For print matters as books, magazines, reports, envelopes, letters, notebooks, notepads and applications from packaging for gift wrapping paper and other consumer packaging. PaperWise White is an uncoated paper and can be printed on both sides. The white colour of the material gives a bright tint to the printing colours.

In order to feed 8 billion people worldwide, agricultural crops such as rice, grain, corn, sugar cane, etc. are grown. On average, only 20% of the plant is used for food and 80% are stems and leaves, agricultural waste! Worldwide, the majority of this agricultural waste is burned, which is a pity in a time where poverty, raw materials and the environment are becoming increasingly important. PaperWise users give a second life to agricultural waste. In doing so, they lower their ecological footprint, add value to waste, and prevent wastage. Wise With Waste.

NO.	PROPERTIES	METHOD	UNIT	PaperWise White		
1	Nominal GSM range	ISO 536	GSM	80	90	110
2	Substance Tolerance		%	± 2.5%		
3	Caliper/Thickness in mm.	ISO 534	microns	108	115	140
4	Bulk		cc/g	1.30 ± 0.05		
5	Machinewidth (parent reel)		mm	2800 Maximum		
6	core options		inch	3"		
7	OD (Outer Diameter Reel)		mm	1000		
8	Tolerance OD		mm	+/- 45		
9	Tolerance Reelwidth		mm	+/- 5		
10	Tolerance sheet dimension	MD	mm	0,0 - 3,0		
		CD	mm	0,0 - 2,0		
11	Ash	ISO 1762	%	16 - 18		
12	Moisture	ISO 287	%	6 ± 0.5		
13	Breaking Length (Min.) MD	ISO 1924 - 2	m	5500 ± 300	4500 ± 300	4000 ± 300
	Breaking Length (Min.) CD		m	2500 ± 300	2400 ± 300	2300 ± 300
14	Tear Factor MD	ISO 1974		50 ± 5		
	Tear Factor CD			55 ± 5		
15	Burst Factor (Min.)	ISO 2758		21		
16	Bendtsen Smoothness TS	ISO 8791-2	ml/min	150-200		
	Bendtsen Smoothness WS		ml/min	175-225		
17	Brightness (Min.)	ISO 2470	% ISO	91		
18	Opacity (Min.)	ISO 2471	%	92	94	96
19	Shade Values L*		%	91 ± 1		
	a*		%	3,8 ± .1		
	b*		%	9,4 ± .1		
20	CIE Whiteness	ISO 11475		150 ± 5		
21	Taber Stiffness (Min.) MD		gm.f.cm	1.5 - 3		
	Taber Stiffness (Min.) CD		gm.f.cm	4.5 - 5.0		
22	Droop rigidity MD		mm	120		
	CD		mm	90		
23	Droop Bias		mm	<10		
24	Cellulose share agricultural waste		%	>85%		
25	CO ₂ -neutral			✓		
26	RECYCLABLE with regular paper			✓		

PaperWise is suitable for offset- flexo-, digital- & rotogravure printing

Reels and sheets with customer specific dimensions can be produced with minimum of 100 Ton, where the order needs to be tuned to the optimum use of the machine width of 540cm. Transport container only takes place from 24 Ton.