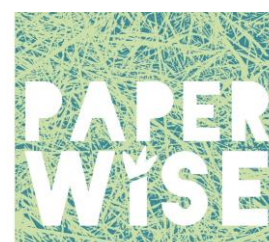


# SPECIFICATIONS



**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				
				60	70	75	90	115
1	Nominal GSM range	ISO 536	GSM	60	70	75	90	115
2	Substance Tolerance		%	± 2.5%				
3	Caliper/Thickness in mm.	ISO 534	microns	82	95	100	125	150
4	Bulk		cc/g	1.33 ± 3%				
5	Machinewidth (parentreel)		mm	3750 Maximum				
6	core options		inch	3", 6", 10"				
7	OD (Outer Diameter Reel)		mm	1000, 1200, 1450				
8	Tolerance OD		mm	+/- 50				
9	Tolerance Reelwidth		mm	+/- 3				
10	Tolerance sheetdimension	length	mm	± 2,5				
			width	mm	± 0,2			
11	Ash	ISO 1762	%	16 - 18				
12	Moisture	ISO 287	%	6,5 ± 0.5				
13	Breaking Length (Min.) MD	ISO 1924 - 2	m	6000 ± 300	5700 ± 300	5500 ± 300	4500 ± 300	4000 ± 300
	Breaking Length (Min.) CD		m	2700 ± 300	2550 ± 300	2500 ± 300	2400 ± 300	2300 ± 300
14	Tear Factor MD	ISO 1974						
	Tear Factor CD		g	30	35	40	45	50
15	Burst Factor (Min.)	ISO 2758						
16	Smoothness Sheffield WS	T538	ml/min	160	160	160	160	145
	Smoothness Sheffield FS	T538	ml/min	160	160	160	160	145
17	Brightness (Min.)	ISO 2470	% ISO	89	89	89	89	89
18	Opacity (Min.)	ISO 2471	%	81	85	88	92	93
19	Shade Values L*		%	91 ± 1				
	a*		%	3,8 ± .1				
	b*		%	9,4 ± .1				
20	CIE Whiteness	ISO 11475		140				
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		%	100%				
25	CO <sub>2</sub> -neutral			✓				
26	RECYCLABLE with regular paper			✓				

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

Customer specific dimensions can be produced with minimum of Reels 5 Ton, sheets 15 Ton, where the order needs to be tuned to the optimum use of the machine width of 375cm. Transport container only takes place from 25 Ton.