

# SPECIFICATIONS

## PaperWise Natural Machine Glazed

### Environmentally friendly, socially responsible paper made from agricultural waste.

PaperWise Natural Machine Glazed (wet strength) is paper based on agricultural waste, light brown coloured, CO<sub>2</sub> neutral and suitable for recycling. For applications from packaging for vegetables, fruit, cakes, to bread, baguettes, snacks and other consumer packaging. PaperWise. It is an uncoated paper and can be printed on smooth side only.

In order to feed 8 billion people worldwide, agricultural crops such as rice, grain, corn, sugarcane, 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 Natural Machine Glazed	
1	Nominal GSM range	ISO 536	GSM	40	50
2	Substance Tolerance	ISO 536	%	± 5	
3	Caliper/Thickness	ISO 534	µm	49	53
4	Substance Tolerance	ISO 534	%	± 10	
5	Bulk	ISO 534	cm <sup>3</sup> /g	1,22 ±0,05	1,12 ±0,05
6	machinewidth (parentree)		mm	3300 Maximum	
7	core options		inch	3", 6"	
8	OD (Outer Diameter Reels)		mm	Ø1000 - Ø1250	
9	Tolerance OD		mm	± 50	
10	Tolerance reelwidth		mm	± 5	
11	Tolerance sheetdimension	length	mm	± 5	
		width	mm	± 3	
12	Burst Index		kPam <sup>2</sup> /g	3,5	3,7
13	gloss75°	ISO8254	%	14,5	20,1
14	Tensile index		N.m/g	76.7/5985	65.4/49.5
15	Cobb <sub>60</sub> (Bloss)	ISO 535	g/m <sup>2</sup>	23,1	24,2
16	Cobb <sub>60</sub> (Matt)	ISO 535	g/m <sup>2</sup>	31,7	28
17	moisture ±5%		%	3,6	4,3
18	pH Value		pH	6-7	6-7
19	Brightness	ISO 2470-1	%	42,1	40,2
20	Surface Smoothness Bendsten(glossy/matte)	ISO 8791-2	S	119/36	288/30
21	Wet strength(glossy/matte)		KN/m	0,24/0,21	0,31/0,24
22	Color			NATURAL LIGHT BROWN (1 SIDE MACHINE GLAZED)	
23	Prefered printed side			Smooth side (gloss)	
24	Cellulose share agricultural waste		%	70	70
25	Cellulose share bamboo		%	30	30
26	Food Approved EC1935/2004	ISEGA		✓	✓
27	Industrial Compostable EN-13432	Din Certco		✓	✓
28	Home compostable	Din Certco		✓	✓
29	CO <sub>2</sub> -neutral			✓	✓
30	RECYCLABLE with regular paper	P.T.S.		✓	✓
PaperWise is suitable for flexo and rotogravure printing, coating					