

## TECHNICAL SPECIFICATIONS

### PaperWise Natural

#### Environmentally Friendly & Socially Responsible Paper Made from Agricultural Waste – 100% Tree-Free

PaperWise Natural is an uncoated, light brown paper. It can be used for printing, packaging and office applications. Certified for direct food contact, PPWR, recycling, and home and industrial composting.

Globally, only 20% of crops (rice, grain, corn, sugarcane) are used for food. The remaining 80% consists of stems and leaves – agricultural waste. Today, most of this agricultural waste is burned, contributing to unnecessary emissions.

With PaperWise, customers upcycle agricultural waste, help reducing deforestation, lower their carbon footprint, and contribute to a circular economy. Make a positive environmental and social impact, be Wise With Waste.

NO.	PROPERTIES	METHOD	UNIT	PaperWise Natural (Tree-Free)		
1	Nominal GSM range	Tappi 410	GSM	75	90	130
2	Substance Tolerance		%			
3	Caliper/Thickness	Tappi 411	micron	103	119	175
4	Substance Tolerance		%	+/- 3		
5	Bulk		cc/g	1,34 +/-0,05		
6	Machine width (parent reel)		mm	3750 Maximum		
7	Core options		inch	3"		
8	OD (Outer Diameter reels)		mm	1100 and 1200		
9	Tolerance - OD		mm	+/- 50		
10	Tolerance - reel width		mm	+/- 5		
11	Tolerance - sheet dimension	length	mm	+/- 5		
		width	mm	+/- 3		
12	Surface smoothness	ISO8791-2	ml/min	400	400	400
13	Porosity (max)	Gurley	seg./100cm <sup>3</sup>	40	40	60
14	Breaking length MD	ISO1924	km	5	5	5
	Breaking length CD	ISO1924	km	3	3	3
15	Burst		kg/cm <sup>2</sup>	2,4		2,5
16	SCT (Short-Span Compression Test)		kN/M	2		2,1
17	Cobb <sub>120</sub> (max)	Tappi 441	g/m <sup>2</sup>	50	50	50
18	Moisture ±5%	Tappi 412	%	5,5		
19	Ash Rate	Tappi 413	%	≤ 7		
20	Brightness	ISO2470	%	48		
21	Opacity		%	90	97	100
22	Whiteness			NATURAL LIGHT BROWN UNCOATED		
23	Preferred printed side			BOTH SIDES POSSIBLE		
24	Cellulose - agricultural waste		%	100		
25	Cellulose - trees - recycled		%	0		
26	Food Contact EC1935/2004 + PPWR	ISEGA		✓		
27	Home Compostable	Din Certco		✓		
28	CO <sub>2</sub> -neutral production, transport compensated			✓		
29	RECYCLABLE with regular paper	PTS		✓		
PaperWise is suitable for offset- flexo-, digital- & rotogravure printing						

Reels and sheets with customer specific dimensions can be produced with minimum of 8 Tons, where the order needs to be tuned to the optimum use of the machine width of 375cm. Transport container only takes place from 24 Tons.