

SPECIFICATIONS



PaperWise Natural

Environmentally friendly, socially responsible paper made from agricultural waste.

PaperWise Natural is paper made from agricultural waste, light brown coloured, CO2 neutral and suitable for recycling. For print matters as books, magazines, reports, envelopes, letters, notebooks, notepads and applications from packaging for pouches, doypacks, block bottom bags, wrapping paper and other consumer packaging. PaperWise Natural is certified for direct food contact and composting, both industrial EN13432 and home composting. It is an uncoated mono-layer paper and can be printed on both sides. The light brown colour of the material gives a natural soft 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 Natural		
1	Nominal GSM range	Tappi 410	GSM	70	90	130
2	Substance Tolerance		%	+/- 3		
3	Caliper/Thickness	Tappi 411	micron	95	119	175
4	Substance Tolerance		%	+/- 3		
5	Bulk		cc/g	1,34 +/-0,05		
6	machinewidth (parentreel)		mm	3750 Maximum		
7	core options		inch	3"		
8	OD (Outer Diameter Reels)		mm	1100 and 1200		
9	Tolerance OD		mm	+/- 50		
10	Tolerance reelwidth		mm	+/- 5		
11	Tolerance sheetdimension	length	mm	+/- 5		
		width	mm	+/- 3		
12	RCT Ringcrush test	kN/m	kN/m		1,1	
13	Roughness Bendsten	ISO8791-2	ml/min	350	400	400
14	Porosity (max)	Gurley	seg./100cm ³	40	40	60
15	Breaking length MD	ISO1924	km	6	6	6
	Breaking length CD	ISO1924	km	3	3	3
16	Burst		kg/cm ²			2,5
17	SCT (Short Span Compression Test)		kN/M			2,1
18	Cobb ₁₂₀ (Max.)	Tappi 441	g/m ²	50	50	50
19	moisture ±5%	Tappi 412	%	5,5		
20	Ash Rate	Tappi 413	%	≤7		
21	Brightness	ISO2470	%	48		
22	Opacity		%	97	99	100
23	Whiteness			NATURAL LIGHT BROWN UNCOATED		
24	Prefered printed side			BOTH SIDES POSSIBLE		
25	Cellulose share agricultural waste		%	100		
26	Food Approved EC1935/2004	ISEGA		✓		
27	Industrial Compostable EN 13432	Din Certco		✓		
28	Home Compostble	Din Certco		✓		
29	CO ₂ -neutral			✓		
30	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 8 Ton where the order needs to be tuned to the optimum use of the machine width of 375cm. Transport container only takes place from 24 Ton.