

SPECIFICATIONS

PaperWise Natural (Moisture Resistant)

Environmentally friendly, socially responsible folding board based on agricultural waste.

PaperWise Natural is board based on agricultural waste and suitable for recycling. It can be used for printing & packaging and is an uncoated, 3-layer board that is resistant to moisture, frost and condensation 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, 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			
				160	320	340	350
1	Nominal GSM range	ISO 536	GSM	160	320	340	350
2	Substance Tolerance		%	+/- 4			
3	Caliper/Thickness	ISO 534	micron	213	410	436	455
4	Substance Tolerance		%	+/- 4			
5	Bulk		cc/g	1,33	1,28	1,28	1,3
6	machinewidth (parentreel)		mm	1880 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	+/- 5			
12	Internal Bond Strength (Ply bond)	Tappi 833 pm 94	J/m ²	419	350	336	313
13	Surface smoothness top	ISO 8791-2	Sheffield	470	728	863	944
14	Surface smoothness Bottom	ISO 8791-2	Sheffield	660	1179	1210	1248
15	Edge Wicking		kg/m ²	0,73	0,6	0,65	0,67
16	Bending Stifness L&W 15° MD ±15%	ISO 2493	mN	48	347	354	436
17	Bending Stifness L&W 15° CD ±15%	ISO 2493	mN	23	160	171	219
18	ISO Brightness	ISO 2470-1	%	45,9	48	45	45,7
19	Cobb ₆₀ (Top)	Tappi 441	g/m ²	21,5	22,7	21,1	21,5
20	Cobb ₆₀ (Bottem)			22,3	23,3	23,3	22,8
21	moisture ±5%		%	5,5	7,3	7,4	7,5
22	Brightness	ISO 2470-1	%	45,9	48	45	45,7
23	Opacity		%	98,6	98,6	96,9	98,5
24	Color			NATURAL LIGHT BROWN UNCOATED			
25	Prefered printed side			Top but Both sides possible			
26	Cellulose share agricultural waste		%	70			
27	Cellulose share Bamboo grass		%	30			
28	Food Approved EC1935/2004	ISEGA		✓			
29	Industrial Compostable EN 13432	Din Certco		✓			
30	Home Compostble	Din Certco		✓			
31	CO ₂ -neutral			✓			
32	RECYCLABLE with regular paper	P.T.S.		✓			

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