

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		
1	Nominal GSM range	ISO 536	GSM	160	270	350
2	Substance Tolerance		%	+/- 3		
3	Caliper/Thickness	ISO 534	micron	195	335	450
4	Substance Tolerance		%	+/- 4		
5	Bulk		cc/g	1,22	1,24	1,29
6	machinewidth (parentreel)		mm	2700 Maximum		
7	core options		inch	3", 6"		
8	OD (Outer Diameter Reels)		mm	Ø1100 - Ø1250		
9	Tolerance OD		mm	+/- 50		
10	Tolerance reelwidth		mm	+/- 5		
11	Tolerance sheetdimension	length	mm	+/- 5		
	Tolerance sheetdimension	width	mm	+/- 5		
12	Surface Smoothness Bendsten	ISO 8791-2	ml/min	9	8	8
13	Reverse side Smoothness Bedsten	ISO 8791-2	ml/min	14	12,3	12
14	Edge Wicking		g/mm.m	1,62	1,81	1,83
15	Stiffness Taber 15° MD ±15%	ISO 2493	mN	1,12	4,63	9,34
16	Stiffness Taber 15° CD ±15%	ISO 2493	mN	0,58	1,92	4,17
17	ISO Brightness	ISO 2470-1	%	50±1,5		
18	Cobb ₆₀ (Top)	ISO 535	g/m ²	27	28	29
19	Cobb ₆₀ (Bottem)	ISO 535	g/m ²	29	30	30
20	Break tensile strength		N.m/g	26,7	32,7	26,7
21	moisture ±5%		%	7,0	7,5	7,5
22	Opacity		%	94	95	96
23	Gloss 75°	ISO 8254	%	≥40		
24	Color			NATURAL LIGHT BROWN UNCOATED		
25	Prefered printed side			Top (both sides possible)		
26	Cellulose share agricultural waste		%	90		
27	Cellulose share Bamboo grass		%	10		
28	Food Approved EC1935/2004	ISEGA		✓		
29	Industrial Compostable EN 13432	Din Certco		✓		
30	Home Compostble	Din Certco		✓		
31	CO ₂ -neutral (by compensation)			✓		
32	RECYCLABLE with regular paper	P.T.S.		✓		

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