

SPECIFICATIONS

PaperWise Ivory Moisture Resistant

Environmentally friendly, socially responsible folding board made from agricultural waste.

PaperWise Ivory is board made from agricultural waste, creamy white coloured, CO2 neutral and suitable for recycling. For applications from packaging for vegetables, fruit, pastries, dry groceries, frozen, meal to go and snack packaging, to (luxury) cosmetics, jewellery, medicines, care, and other consumer packaging. PaperWise Ivory will be certified for direct food contact and composting, both industrial EN13432 and home composting as soon as possible. PaperWise Ivory Moisture Resistant is uncoated multi-layer board resistant to moisture and condensation and can be printed on both sides. The creamy white colour of the material gives a soft tint to the printing colours.

In order to feed 7,5 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 Ivory Moisture Resistant | | | | | | |
|---|--------------------------------------|------------|-----------------------|---|-------|-----|-----|------|------|-----------|
| | | | | 160 | 190 | 220 | 250 | 280 | 300 | 320 |
| 1 | Nominal GSM range | Tappi 410 | GSM | 160 | 190 | 220 | 250 | 280 | 300 | 320 |
| | Substance Tolerance | | % | +/- 3 | | | | | | |
| 2 | Caliper/Thickness | Tappi 411 | micron | 216 | 257 | 297 | 338 | 378 | 405 | 432 |
| | Substance Tolerance | | % | +/- 5 | | | | | | |
| 3 | Bulk | | cm ³ /g | 1,35 +/-5 | | | | | | |
| 4 | Machinewidth (parentreel) | | mm | 3650 maximum | | | | | | |
| 5 | Core options | | inch | 3", 6", 12" | | | | | | |
| 6 | OD (Outer Diameter Reels) | | mm | 1000 or 1100 or 1200 | | | | | | |
| | Tolerance OD | | mm | +/- 50 | | | | | | |
| 7 | Tolerance reelwidth | | mm | +/- 5 | | | | | | |
| 8 | Tolerance sheetdimension | length | mm | +/- 5 | | | | | | |
| | | | width | mm | +/- 3 | | | | | |
| 9 | smoothness Top/bottom | Tappi 479 | ml/min | 250/600 | | | | | | 350/1000 |
| | Substance Tolerance smoothness | | | max | | | | | | max |
| 10 | Plybond | Tappi 569 | J/m ² | min 200 | | | | | | |
| 11 | Stiffness MD (Bending) | Tappi 556 | mN | 65 | 88 | 132 | 176 | 247 | 308 | 374 |
| 12 | Stiffness CD (Bending) | Tappi 556 | mN | 27 | 40 | 55 | 77 | 110 | 130 | 160 |
| 13 | Stiffness GM (Bending) | Tappi 556 | mN | 40 | 60 | 85 | 115 | 165 | 200 | 245 |
| 14 | Bending Moment MD Taber 15° | Tappi 489 | mNm | 3,1 | 4,4 | 6,3 | 8,5 | 11,9 | 14,9 | 18,1 |
| 15 | Bending Moment CD Taber 15° | Tappi 489 | mNm | 1,3 | 2 | 2,7 | 3,7 | 5,3 | 6,3 | 7,7 |
| 16 | Substance Tolerance Stiffness | | % | +/- 15 | | | | | | |
| 17 | Cobb ₆₀ (Max.) top/bottom | Tappi 441 | g/m ² | 30/30 | | | | | | |
| 18 | Moisture | Tappi 412 | % | 6,0 - 7,0 | | | | | | 7,0 - 8,0 |
| 19 | Edge Wick (maximum) | | kg/m ² /hr | 1,5 | | | | | | |
| 20 | Brightness minimum | ISO 2469 | % | 83 | | | | | | |
| 21 | Material colour | | | Creamy White - UNCOATED | | | | | | |
| 22 | Prefered printed side | | | BOTH SIDES POSSIBLE | | | | | | |
| 23 | Cellulose share agricultural waste | | % | on the way to the max; end of 2023 result | | | | | | |
| 24 | Food Approved EC1935/2004 | ISEGA | | pending for certification | | | | | | |
| 25 | Industrial Compostable EN 13432 | Din Certco | | pending for certification | | | | | | |
| 26 | Home Compostable | Din Certco | | pending for certification | | | | | | |
| 27 | CO ₂ -neutral | | | ✓ | | | | | | |
| 28 | RECYCLABLE with regular paper | | | ✓ | | | | | | |
| PaperWise is suitable for offset- flexo-, digital- & rotogravure printing | | | | | | | | | | |

Minimum quantity for custom-made reels and sheets is 8 ton. Transport container only takes place from 24 ton. Custom-made orders need to be tuned to the optimum use of the machine width of 365cm.