

# Botnia Nordic Pine AKI

Bleached Softwood Kraft Pulp

Date: 26/06/2018

## Raw material

Pine (pinus sylvestris)	50–80 %
Spruce (picea abies)	20–50 %

## Pulp characteristics

**Brightness, ISO** Target 89 %

PulpExpertDCD

**Fibre length, mm** min. 1.80 mm

KajaaniMAP

**Coarseness** 0.140–0.170 mg/m

Kajaani FS-5 mod

**Ash content** 0–0.4 %

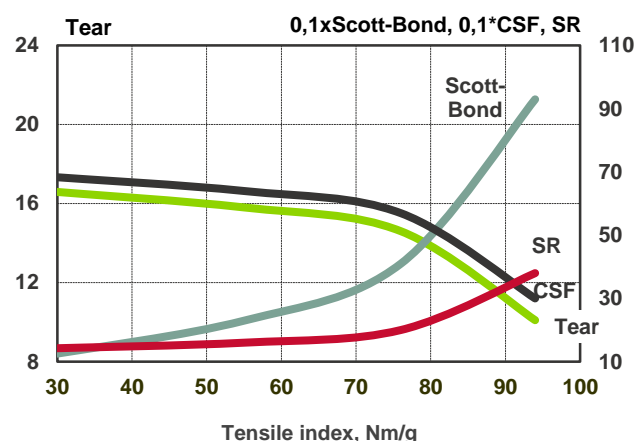
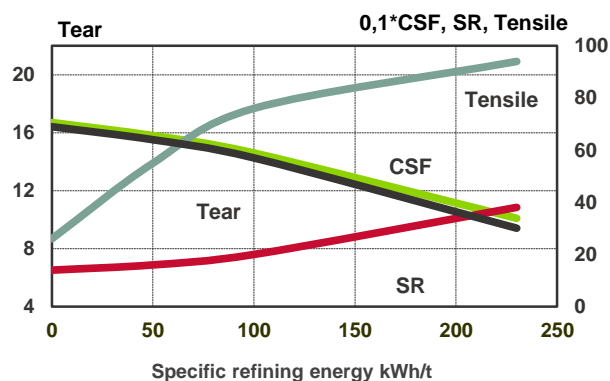
ISO 1762:2001

**Viscosity** min. 700 ml/g

ISO 5351

**pH** 5.0–7.0

ISO 6588



Specific refining energy	CSF	Schopper-Riegler - number	Tensile index	Tensile Stiffness Index	Tear index	Scott-Bond	Density	Opacity	Air resistance
kWh/t	ml		Nm/g	kNm/g	mNm <sup>2</sup> /g	J/m <sup>2</sup>	kg/m <sup>3</sup>	%	(Gurley) s
0	694	14	26	3,9	16,7	111	576	71,7	1,6
50	639	16	55	6,1	15,8	230	644	67,5	3,3
100	566	20	76	7,6	14,6	411	706	63,7	8,3
230	299	38	94	8,8	10,1	927	781	60,0	318
80	600	18	68	7,1	15,1	332	682	65,2	5,5
138	500	24	86	8,4	13,5	578	744	61,5	20
103	561	20	77	7,7	14,6	424	709	63,6	8,9
148	481	25	88	8,6	13,2	624	752	61,1	26
84	591	18	70	7,2	15,1	347	687	64,9	6,0
156	465	26	90	8,7	12,9	660	758	60,7	32

Mean (indicative) values from pulp testing with Lab-Finer using standard water.

Specific Edge Load 2,5 Ws/m, ISO testing methods, testing climate 50 % RH, 23°C. Handsheets 65 g/m<sup>2</sup>.



Metsä Fibre Oy, Äänekoski mill  
Address: FI-44100 Äänekoski, Finland

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## Applications

- Speciality papers
- Wood free papers
  - Tissue papers
- Board products

## Sheets

Size: 84 x 75 cm

Grammage: 900 - 1100 g/m<sup>2</sup>

## Bales



**Size:** 86 x 77 x 42 cm

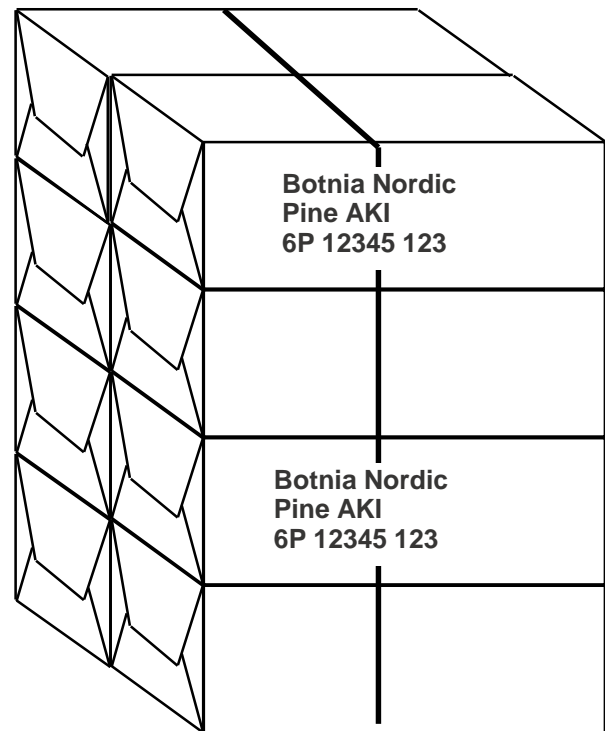
**Gross weight :** 250 kg

**Wrappers:** Pulp sheet

**Wires:** 4 galvanized wires,  
diameters 2.3 mm

**Markings:** Black ink-jet printing,  
water soluble ink  
Brand name and bale number  
on outside of the bale

## Units



**Size:** 86 x 154 x 168 cm

**Gross weight:** 2,000 kg (8 x 250 kg)

**Wires:** 8 galvanized wires,  
diameter 3.0 mm

**Identification:** RFID tag 1/ton

