

# Botnia Nordic Birch AKI

Bleached Hardwood Kraft Pulp

Date: 26/06/2018

## Raw material

Birch (*betula verrucosa*) 90 -100 %

Aspen (*populus tremula*) 0 - 10 %

## Pulp characteristics

Brightness, ISO Target 89 %

PulpExpertDCD

Fibre length, mm < 1.10 mm

KajaaniMAP

Coarseness 0.090–0.110 mg/m

Kajaani FS5

Ash content 0.2–0.7 %

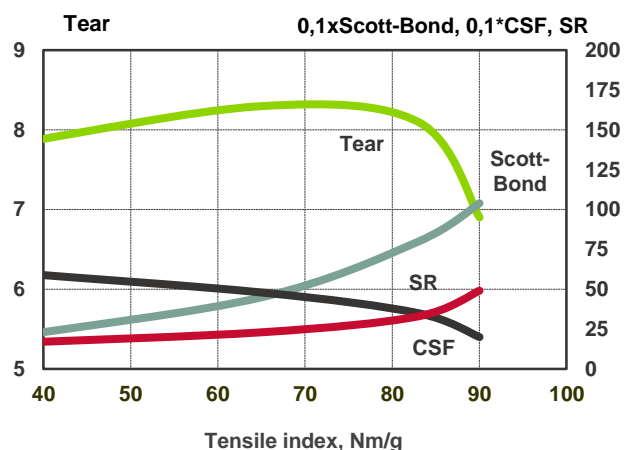
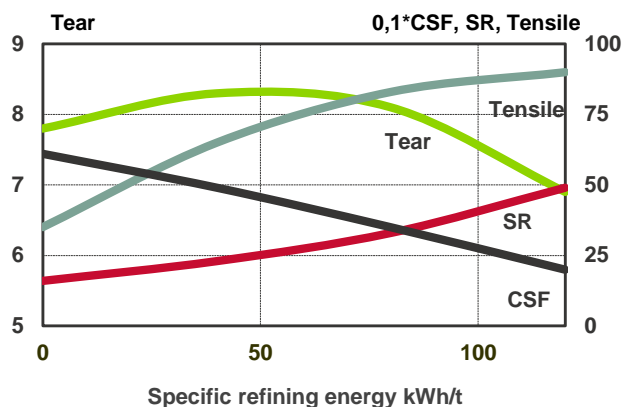
ISO 1762:2001

Extractives < 0.25 %

ISO 14453

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	612	16	35	4,6	7,8	188	665	72,9	2,1
40	488	23	65	6,5	8,3	452	746	68,5	12
80	351	33	83	7,6	8,1	800	812	64,6	82
120	201	49	90	7,9	6,9	1045	849	62,0	634
36	<b>500</b>	22	62	6,3	8,4	420	739	69,0	10
66	<b>400</b>	29	78	7,2	8,3	678	792	65,9	41
28	527	<b>20</b>	57	6,0	8,3	359	723	69,8	7
51	452	<b>25</b>	71	6,8	8,4	545	766	67,4	20
18	558	18	<b>50</b>	5,5	8,2	290	702	70,9	4,6
49	459	25	<b>70</b>	6,8	8,4	527	763	67,6	19

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

Specific Edge Load 0,4 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

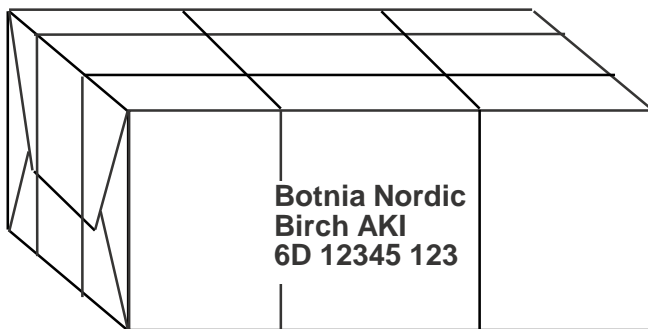
- Speciality papers
- Wood free papers
  - Tissue papers
- Board products

## Sheets

Size: 84 x 75 cm

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

## Bales



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

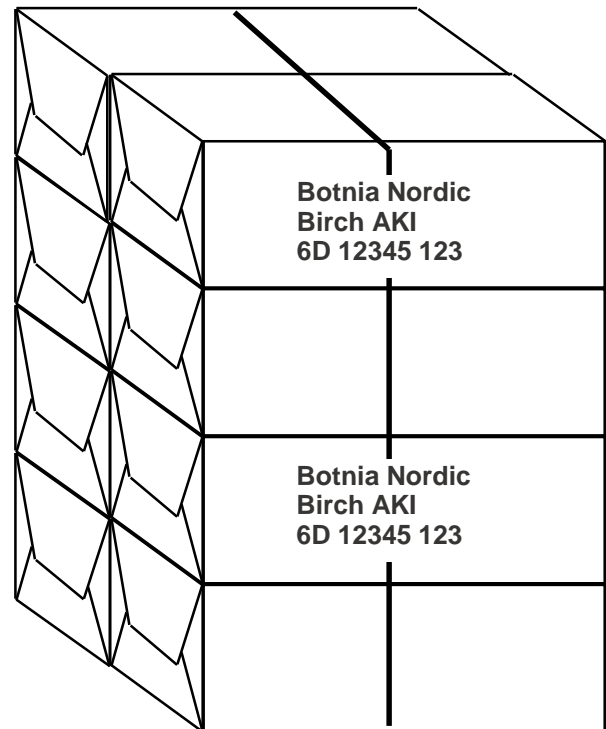
**Gross weight :** 250 kg

**Wrappers:** Pulp sheet

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

**Markings:** Black and red 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



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