

Botnia Nordic Pine+ JNO

Bleached Softwood Kraft Pulp

Date: 26/06/2018

Raw material

Pine (pinus sylvestris)	55–100 %
Spruce (picea abies)	0–45 %

Pulp characteristics

Brightness, ISO Target 89 %

PulpExpertDCD

Fibre length, mm min. 1.85 mm

KajaaniMAP

Coarseness 0.150–0.180 mg/m

Kajaani FS-5 mod

Ash content 0 – 0.3 %

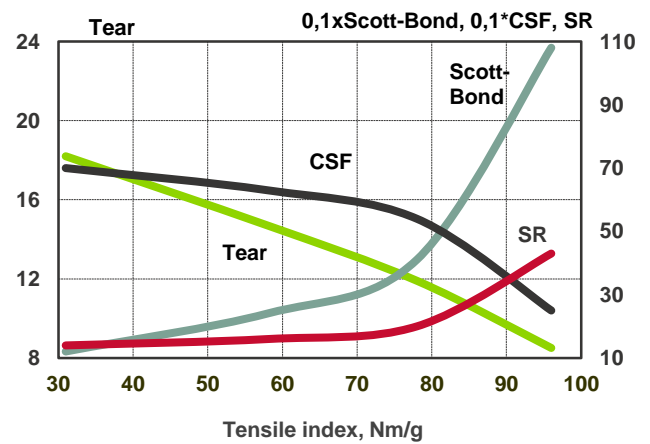
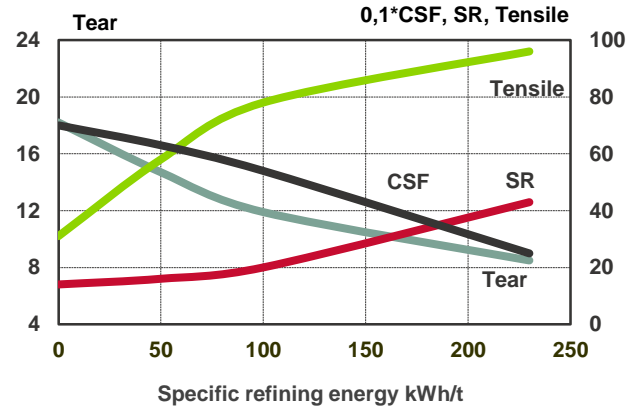
ISO 1762:2001

Viscosity Min. 750 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 ² /g	J/m ²	kg/m ³	%	(Gurley) s
0	702	14	31	4,4	18,2	123	584	70,4	1,6
50	628	16	58	6,3	14,7	238	648	66,3	4,5
100	541	20	78	7,8	11,9	414	708	62,4	15
230	251	43	96	9,1	8,5	1075	798	56,9	873
66	600	17	65	6,8	13,7	287	667	65,3	6,4
120	500	23	84	8,2	11,1	501	729	61,0	26
96	548	20	76	7,7	12,1	397	703	62,7	13
134	474	25	87	8,5	10,5	568	743	60,1	37
78	581	18	70	7,2	13,0	328	682	64,1	8,6
148	444	27	90	8,7	10,0	638	755	59,3	57

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/m².



Metsä Fibre Oy, Joutseno mill
Address: FI-54 120 Pulp, Finland

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Applications

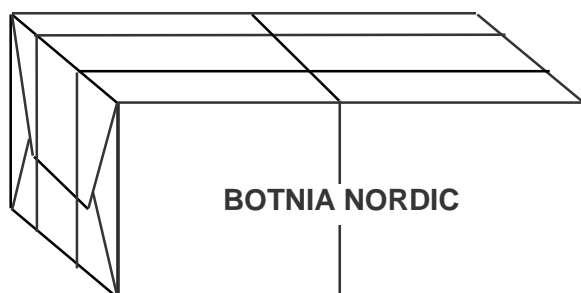
- Speciality papers
- Wood free papers
- Tissue papers

Sheets

Size: 84 x 84 cm

Grammage: 900 -1000 g/m²

Bales



Size: 86 x 86 x 43 cm

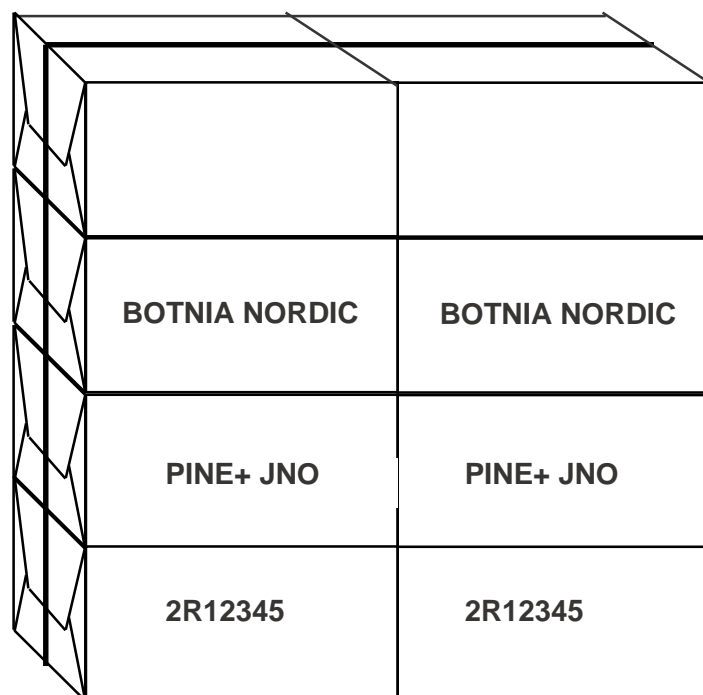
Gross weight : 250 kg

Wrappers: Pulp sheet

Wires: 3 galvanized wires,
diameters 2.3 mm

Markings: Blue ink-jet printing,
water soluble ink
Brand name and bale number
on both sides of the bale

Units



Size: 86 x 172 x 172 cm

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

Wires: 8 galvanized wires,
diameter 3.0 mm

Identification: RFID tag 1/ton

