

Botnia Nordic Pine KMI

Bleached Softwood Kraft Pulp

Date: 26/06/2018

Raw material

Pine (pinus sylvestris)	70–100 %
Spruce (picea abies)	0–30 %

Pulp characteristics

Brightness, ISO Target 89 %

PulpExpertDCD

Fibre length min. 1.80 mm

Kajaani FSA

Coarseness 0.140–0.165 mg/m

Kajaani FS-5 mod

Ash content 0 – 0.4 %

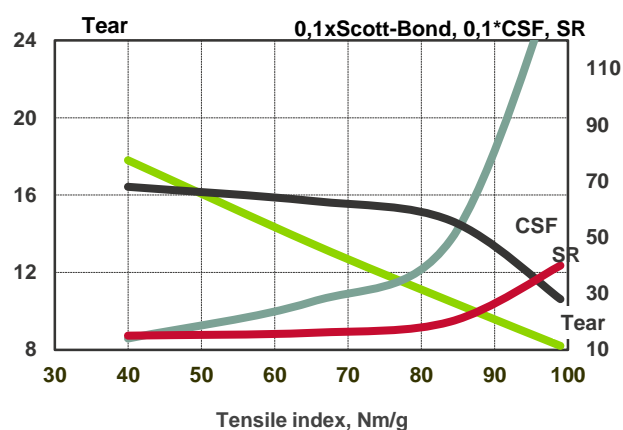
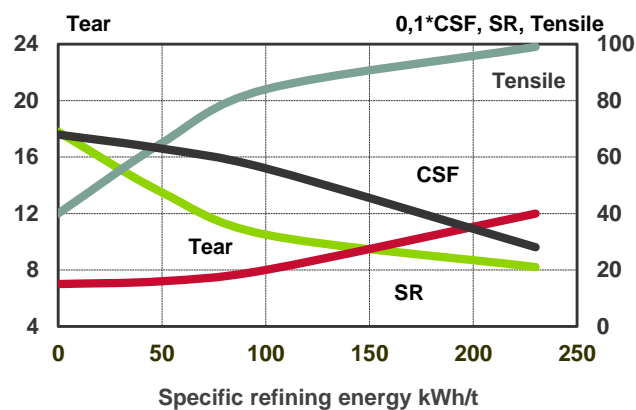
ISO 1762:2001

Viscosity Min. 700 ml/g

ISO 5351

pH 5.0 – 7.0

ISO 6588



Specific refining energy	CSF	Schopper-Riegler	Tensile index	Tensile Stiffnes 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	682	15	40	5,4	17,8	139	628	69,9	2,6
50	633	16	65	7,0	13,5	272	688	65,9	7,2
100	562	20	84	8,2	10,5	488	744	62,2	23
230	284	40	99	9,2	8,2	1479	820	56,9	800
75	600	18	75	7,6	11,8	368	717	64,0	13
135	500	24	93	8,7	9,0	697	776	60,0	55
99	564	20	83	8,2	10,5	482	743	62,2	22
143	486	25	94	8,8	8,8	752	782	59,5	67
61	619	17	70	7,3	12,8	311	701	65,1	9,2
123	523	22	90	8,6	9,4	620	765	60,7	40

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, Kemi mill
Address: FI-94200 Kemi, Finland

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Applications

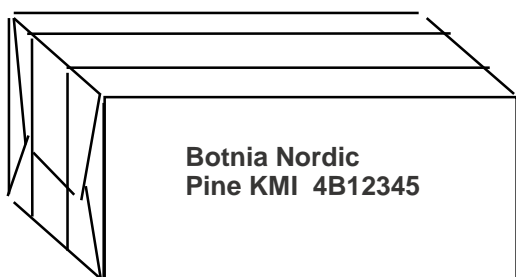
- Wood free papers
- Tissue products
- Board products
- Speciality papers

Sheets

Size: 88 x 76 cm

Grammage: 1,100-1,500 g/m²

Bales



Size: 88 x 76 x 44 cm

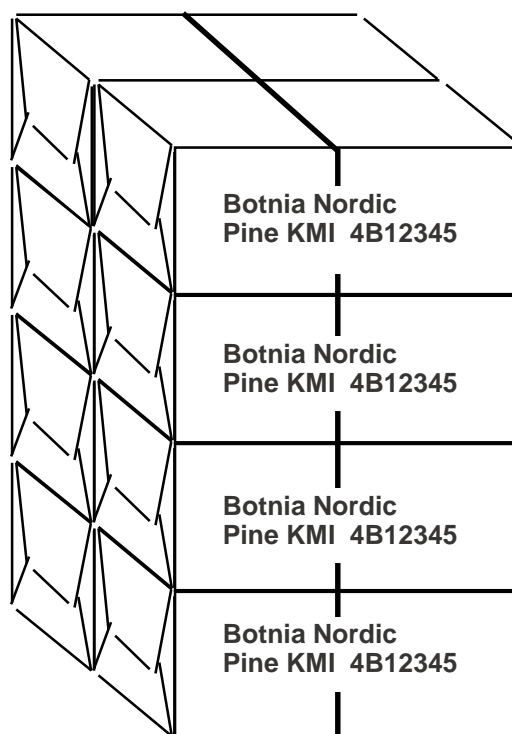
Gross weight : 250 kg

Wrappers: Kraft paper sheet

Wires: 2 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: 88 x 152 x 178 cm

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

Wires: 8 galvanized wires,
diameter 3.0 mm

Identification: RFID tag 1/ton

