

Metsä Pine KMI

Datasheet updated: 5/1/2024

Raw material

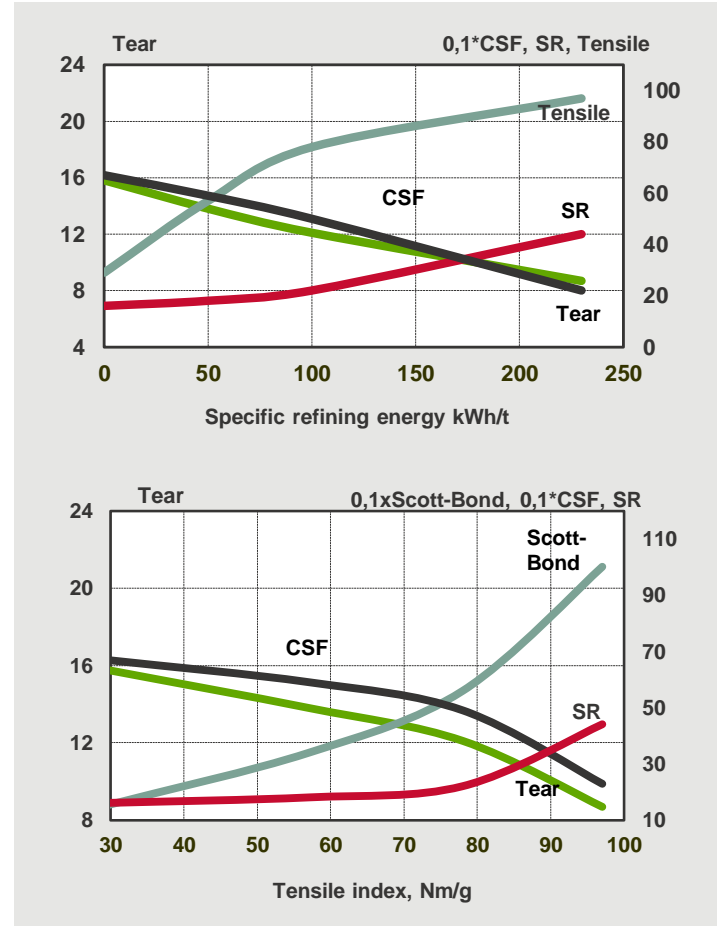
Pine (pinus sylvestris) 70–100%	Spruce (picea abies) 0–30%
--	---

Pulp characteristics

Brightness, ISO (PulpExpertDCD) Target 88,5%	Fibre length, mm (Valmet MAP ISO16065-2) Typical value 2.00 mm
---	---

Coarseness (Valmet FS-5) 0.140–0.165 mg/m	Ash content (ISO 1762:2001) 0–0.4%
--	---

Viscosity (ISO 5351) min. 700 ml/g	pH (ISO 6588) 5.0–7.0
---	------------------------------------



Specific refining energy kWh/t	CSF ml	Schopper-Riegler - number	Tensile index Nm/g	Tensile Stiffness Index kNm/g	Tear index mNm ² /g	Scott-Bond J/m ²	Density kg/m ³	Opacity %	Air resistance (Gurley) s
0	674	16	29	3,9	15,8	147	604	70,1	1,7
50	588	18	57	5,9	13,8	336	673	66,1	5,0
100	495	22	78	7,3	12,1	561	737	62,2	17
230	226	44	97	8,7	8,7	997	826	56,0	966
43	600	17	54	5,6	14,1	306	663	66,7	4,2
97	500	21	77	7,3	12,2	548	733	62,4	16
83	527	20	71	6,9	12,7	486	715	63,5	11
128	440	25	86	7,9	11,2	676	767	60,2	36
79	534	20	70	6,8	12,8	467	711	63,8	10
145	406	27	90	8,2	10,8	738	784	59,1	59

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 60 g/m².

Metsä Pine KMI

Datasheet updated: 5/1/2024

End uses

Tissue papers

Wood free papers

Speciality papers

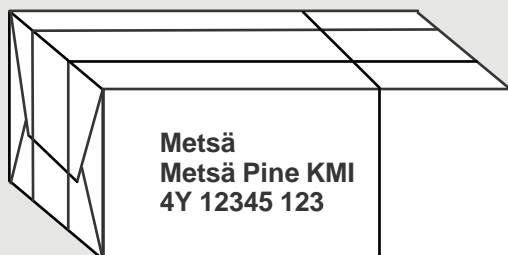
Board products

Sheets

Size 83 x 75 cm

Grammage 1000 – 1200 g/m²

Bales



Size 86 x 77 x 42 cm

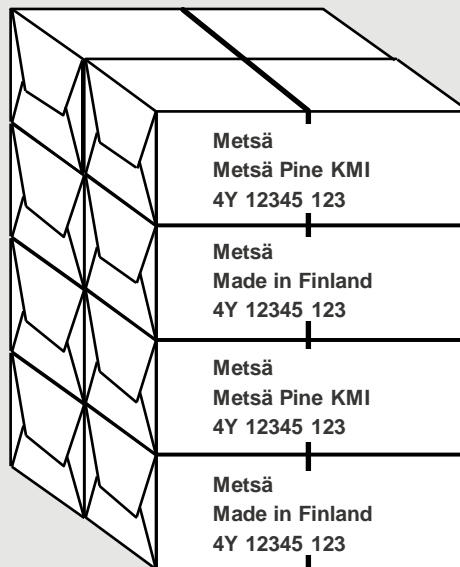
Gross weight 250 kg

Wrappers Pulp sheet

Wires 3 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 167 cm

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

Wires 8 galvanized wires, diameter 3.0 mm

Identification RFID tag 1/ton