

Metsä

Pine Hus

Datasheet Updated: 13/06/2023

Raw material

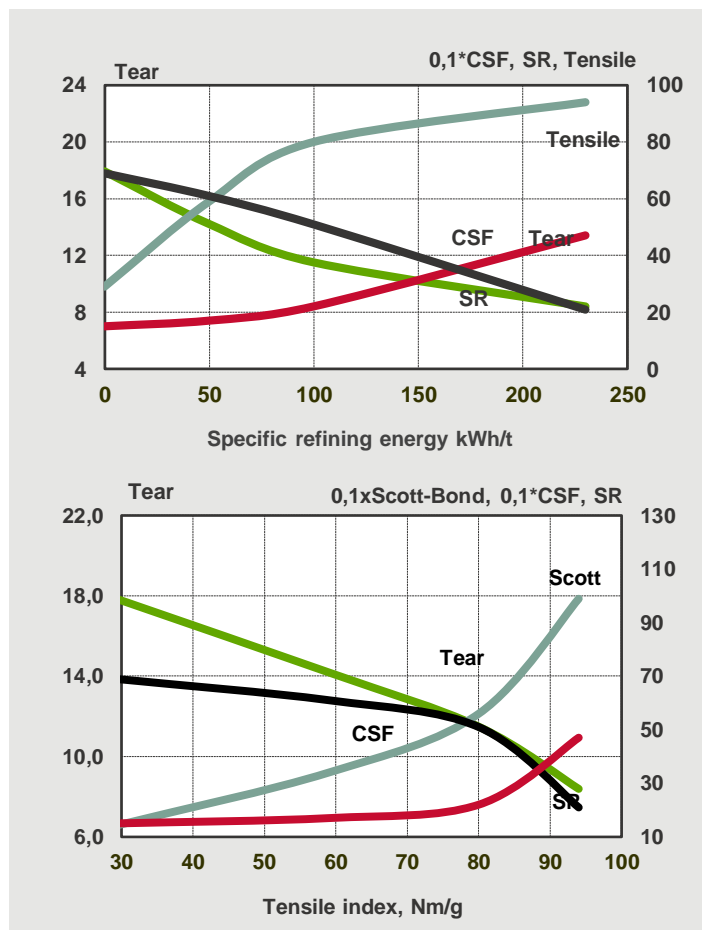
Pine (pinus sylvestris) 40–60%	Spruce (picea abies) 40–60%
---	--

Pulp characteristics

Brightness, ISO (PulpExpertDCD) Target 88,5%	Fibre length, mm (PulpExpert, ISO 16065-1) Typical value 2,15 mm
---	---

Coarseness (Valmet FS-5) 0.140–0.170 mg/m	Ash content (ISO 1762:2001) 0–0.4%
--	---

Viscosity (ISO 5351) min. 700 ml/g	pH (ISO 6588) 5.5–7.5
---	------------------------------------



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	694	15	29	4,3	17,9	144	598	70,1	1,6
50	609	17	59	6,3	14,2	345	675	65,7	5,9
100	512	22	80	7,7	11,5	564	744	61,6	24
230	210	47	94	8,6	8,4	993	818	56,8	1423
55	600	17	62	6,5	13,9	368	682	65,3	6,8
106	500	23	82	7,9	11,2	587	752	61,2	29
83	546	20	74	7,3	12,3	494	722	63,0	15
123	464	25	87	8,2	10,5	647	771	60,0	48
73	566	19	70	7,0	12,8	450	708	63,8	11
136	436	27	90	8,4	10,0	688	784	59,2	71

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 HUS

Datasheet Updated: 13/06/2023

End uses

Wood free speciality papers

Wood free uncoated papers

Wood free coated papers

Folding boxboard

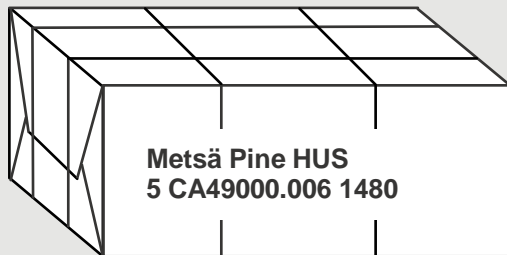
Tissue papers

Sheets

Size 84 x 80 cm

Grammage 800 – 1100 g/m²

Bales



Size 86 x 83 x 40 cm

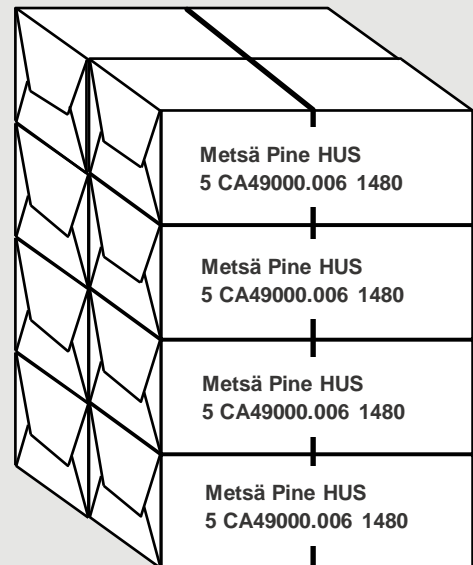
Gross weight 250 kg

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 both sides of the bale

Units



Size 86 x 166 x 160 cm

Gross weight 2,000 kg

Wires 8 galvanized wires, diameter 3.0 mm