

TECHNICAL DATA SHEET

UPM Conifer

ECF Bleached Northern Softwood Kraft Pulp

Pulp mill: UPM Kaukas

Date of issue: 3.12.2021

PULP CHARACTERISTICS

	Typical value	Spec
Brightness, ISO % ISO 2470-1	89	≥ 88
Impurities, mm ² /kg ISO 5350-2	3	
Extractives, % ISO 14453	0,04	≤ 0,15
Ash content, % ISO 1762	0,15	≤ 0,2
pH ISO 6588-2	5,7	5,0-7,0

FIBRE CHARACTERISTICS

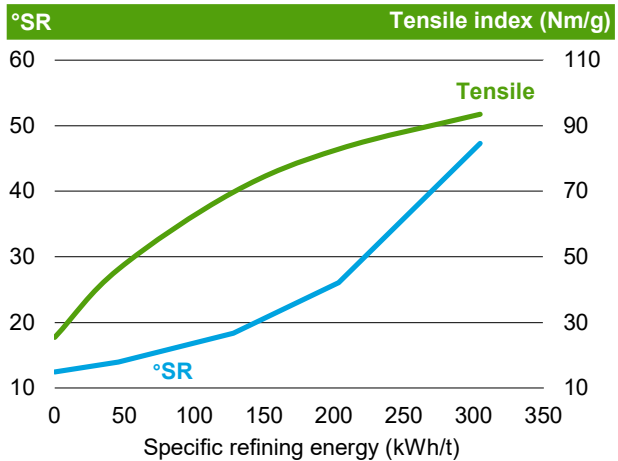
	Typical value
Fibre length, mm Metso FS5	2,20
Coarseness, mg/m Metso FS5	0,15

RAW MATERIAL

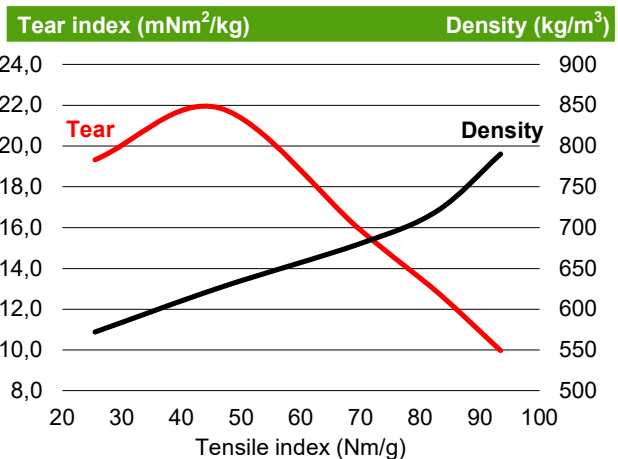
Softwood

Pine (Pinus Silvestris), Spruce (Picea Abies)

REFINABILITY



TEAR AND DENSITY AT TENSILE



Specific Refining Energy	CSF	SR number	Tensile index	Stiffness index	Tear index	Scott Bond	Density	Opacity	Air res.
kWh/t	ml		Nm/g	kNm/g	mNm ² /g	J/m ²	kg/m ³	%	s
0	716	12	26	3,8	19,3	116	572	71,3	1,3
46	687	14	46	5,8	21,9	208	626	67,7	1,4
128	582	18	70	7,5	15,9	369	680	64,4	4
203	424	26	83	8,4	12,8	588	721	62,4	25
304	224	47	93	9,2	10,0	1027	790	60,1	708
59	668	15	50	6,0	20,9	236	636	67,2	1,8
140	555	20	70	7,4	15,7	395	683	64,2	6
245	337	36	90	8,9	11,3	772	744	61,0	301
144	548	20	72	7,6	15,4	410	688	64,0	5,5
198	449	25	81	8,3	13,3	555	717	62,8	19
224	390	30	84	8,5	12,5	660	732	62,1	145

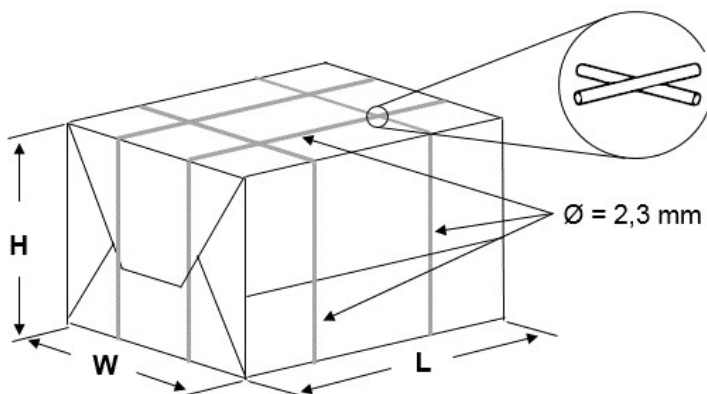
Typical values are averages from all mill quality control samples during H2 2020 - H1 2021. They are given in good faith to represent mill performance and do not constitute contractual undertaking. Values in the table are mean (indicative) values from pulp testing with Voith-Sulzer refining, using standard water. Specific Edge Load 2,5 J/m, ISO testing methods (H 50%, 23 °C, 60 gr/m² sheets).

UPM Conifer

Bale marking

UPM Conifer		
6 X	54504 - 001	
Mill No	Product	Lot No

Standard bale



Sheets

Size:	85 x 70 cm
Grammage:	1000 g/m ²

Standard bale

Size:	L = 89 cm
	W = 73 cm
	H = 43,5 cm

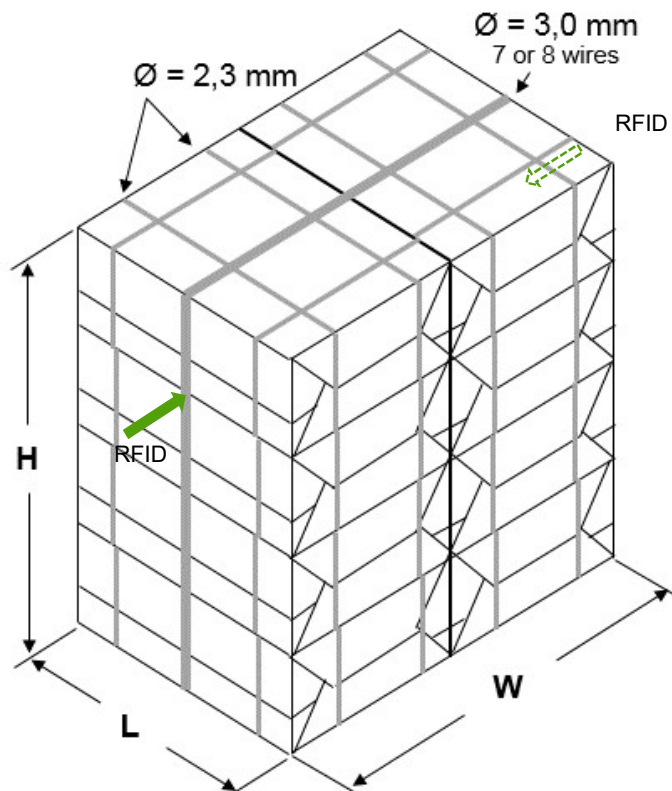
Weight: 250 kg

Wrapping: Pulp sheets (unwrapped on demand)

Markings: Blue watersoluble inkjet printing.
Country, company name, product code and bale number on both sides.

Wires: 4 galvanized wires, diameter 2,3 mm.

Standard bale unit configuration



Standard bale unit configuration

Standard bale units

Size:	L = 89 cm
	W = 146 cm
	H = 175 cm

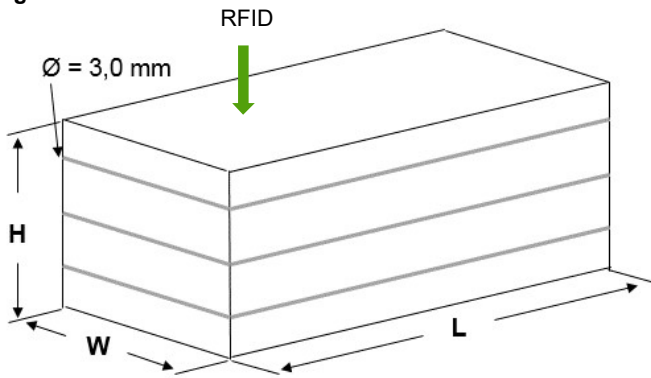
Weight: 2000 kg (8 x 250 kg)

Wires: 7 or 8 galvanized wires, diameter 3,0 mm

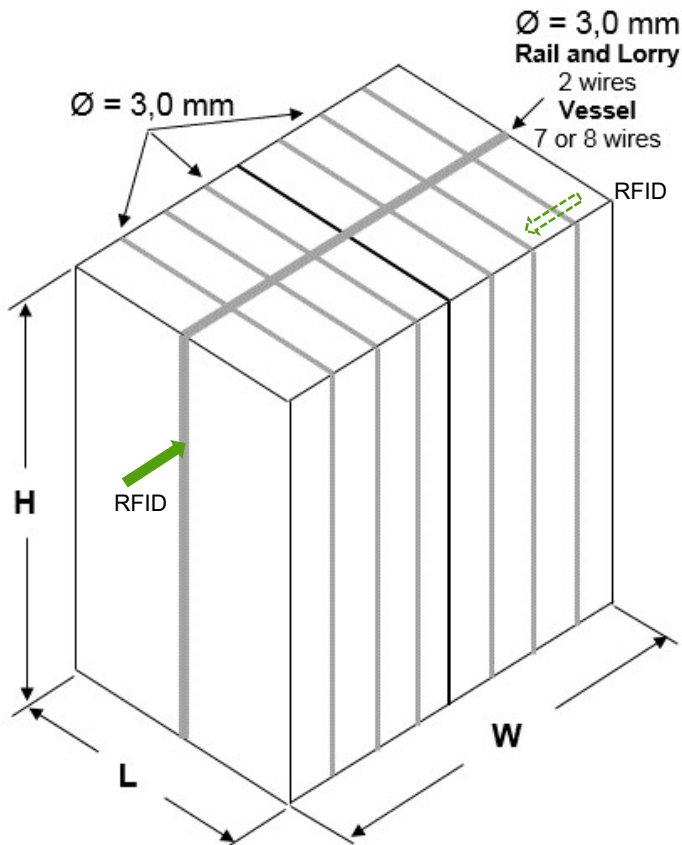
RFID: 1 tag per ton of pulp (traceability)

UPM Conifer

Big bale



Big bale unit configuration



Sheets

Size:	85 x 70 cm
Grammage:	1000 g/m ²

Big bale

Size:	L =	175 cm
	W =	87 cm
	H =	72 cm

Weight:	1000 kg
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Wrapping:	No wrapping
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Markings:	BLUE watersoluble inkjet printing. Country, company name, product code and bale number on both sides.
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Wires:	2 galvanized wires, diameter 3,0 mm
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RFID:	1 tag per ton of pulp (traceability)
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Big bale unit configuration

Big bale units

Size:	L =	87 cm
	W =	144 cm
	H =	175 cm

Weight:	2000 kg (2 x 1000 kg)
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Wires:	Vessel 7 or 8 galvanized wires, Rail and Lorry 2 wires diameter 3,0 mm
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RFID:	1 tag per ton of pulp (traceability)
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UPM-Kymmene Corporation

Alvar Aallon katu 1
PO Box 380
FI-00101 Helsinki, Finland

Contact information:

Tom Hultholm Senior Product Manager, tel. +358 400 589 529
tom.hultholm@upm.com
www.upmpulp.com