

# TECHNICAL DATA SHEET

## UPM Conifer

ECF Bleached Northern Softwood Kraft Pulp

Pulp mill: UPM Kymi

Date of issue: 3.12.2021

### PULP CHARACTERISTICS

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

### FIBRE CHARACTERISTICS

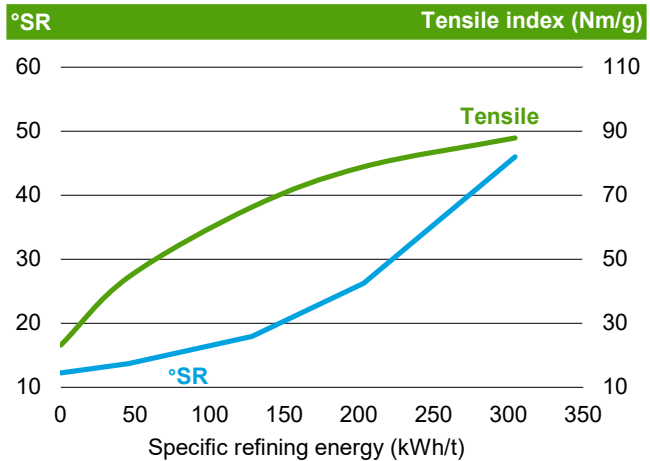
	Typical value
Fibre length, mm Metso FS5	<b>2,1</b>
Coarseness, mg/m Metso FS5	<b>0,15</b>

### RAW MATERIAL

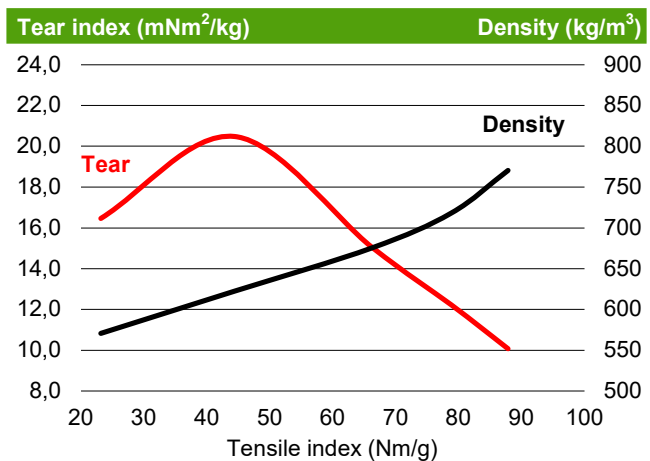
#### Softwood

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 <sup>2</sup> /g	J/m <sup>2</sup>	kg/m <sup>3</sup>	%	s
0	725	12	23	3,7	16,5	107	571	71,2	1,3
45	699	14	44	5,6	20,5	198	622	68,1	1,3
128	592	18	66	7,2	15,0	378	675	64,7	3
203	438	26	79	8,2	12,2	617	718	63,0	23
304	232	46	88	8,9	10,1	1032	770	60,8	529
68	669	15	<b>50</b>	6,0	19,2	240	635	67,3	1,8
150	545	20	<b>70</b>	7,5	14,3	438	687	64,5	8
309	230	47	<b>90</b>	8,9	10,0	1050	776	60,7	560
148	550	<b>20</b>	70	7,5	14,4	440	686	64,3	5
193	465	<b>25</b>	77	8,0	12,6	585	713	63,2	18
222	395	<b>30</b>	82	8,3	11,8	700	727	62,6	120

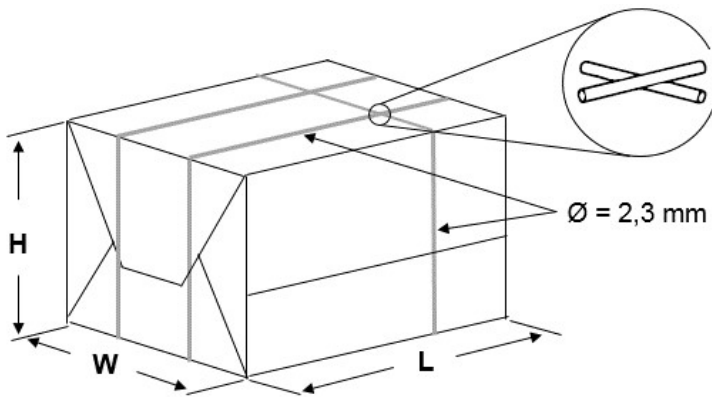
Typical values are averages from all mill quality control samples during H2 2020 - H2 2021. They are given in good faith to represent mill performance and do not constitute contractual undertaking. Values in the table are mean (indicative) values from pulp testing with Voith-Sulzer refining, using standard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

## UPM Conifer Kymi

### Bale marking

	UPM Conifer	NBSK
5 4	54504 - 001	FIN
Mill No	Product	Lot No

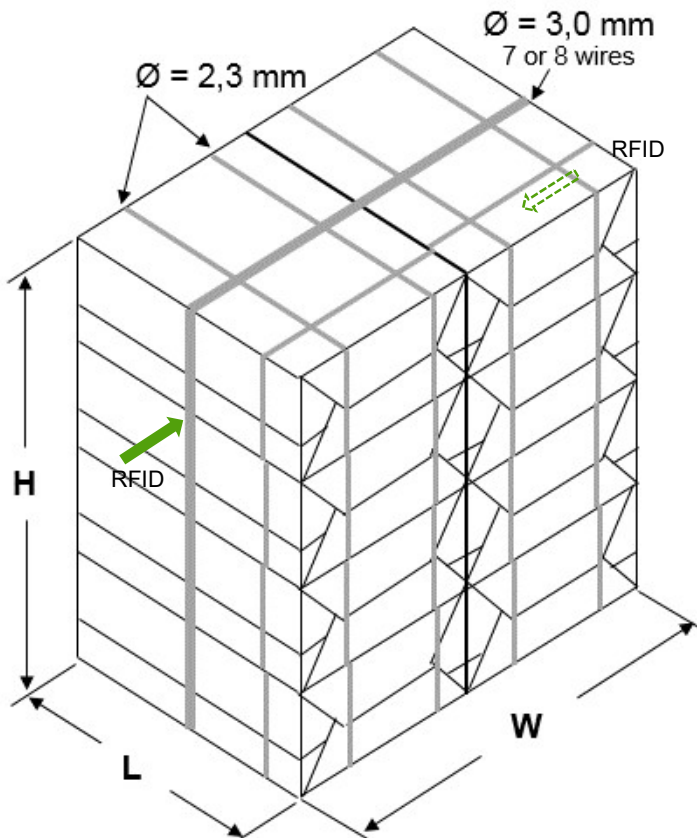
### Standard bale



### Standard bale

<b>Size:</b>	L =	89 cm
	W =	73 cm
	H =	43,5 cm
<b>Weight:</b>	250 kg	
<b>Wrapping:</b>	Pulp sheets (unwrapped on demand)	
<b>Markings:</b>	Blue watersoluble inkjet printing. Country, company name, product code and bale number on both sides.	
<b>Wires:</b>	3 galvanized wires, diameter 2,3 mm.	

### Standard bale unit configuration

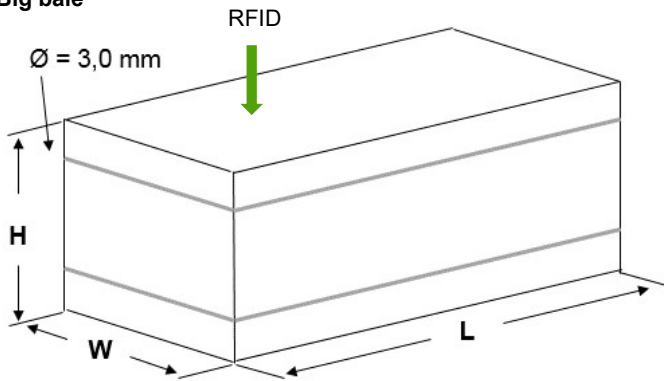


### Standard bale unit configuration

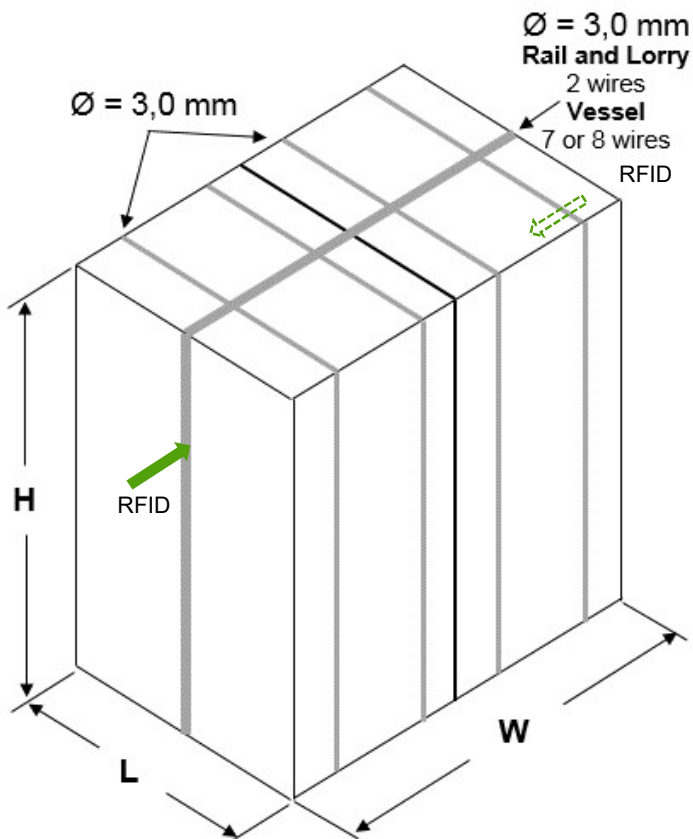
<b>Standard bale units</b>		
<b>Size:</b>	L =	89 cm
	W =	146 cm
	H =	175cm
<b>Weight:</b>	2000 kg (8 x 250 kg)	
<b>Wires:</b>	7 or 8 galvanized wires, diameter 3,0 mm	
<b>RFID:</b>	1 tag per ton of pulp (traceability)	

## UPM Conifer Kymi

### Big bale



### Big bale unit configuration



#### Sheets

<b>Size:</b>	85 x 70 cm
<b>Grammage:</b>	1100 g/m <sup>2</sup>

#### Big bale

<b>Size:</b>	L =	175 cm
	W =	87 cm
	H =	72cm

**Weight:** 1000 kg

**Wrapping:** No wrapping

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

**Wires:** 2 galvanized wires, diameter 3,0 mm

**RFID:** 1 tag per ton of pulp (traceability)

#### Big bale unit configuration

##### Big bale units

<b>Size:</b>	L =	87 cm
	W =	144 cm
	H =	175cm

**Weight:** 2000 kg (2 x 1000 kg)

**Wires:** Vessel 7 or 8 galvanized wires, Rail and Lorry 2 wires diameter 3,0 mm

**RFID:** 1 tag per ton of pulp (traceability)

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