

# TECHNICAL DATA SHEET

## UPM Conifer

ECF Bleached Northern Softwood Kraft Pulp

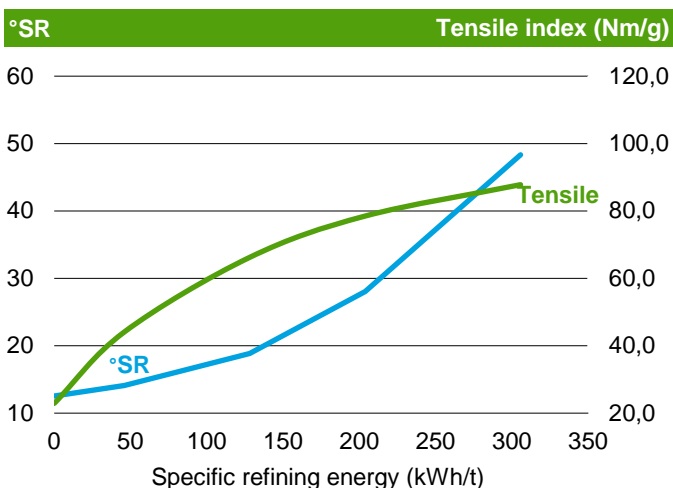
Date of issue: 24.11.2020

Pulp mill: UPM Kymi

### 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, % SCAN-CM 49:93	<b>0,04</b>	<b>≤ 0,15</b>
Ash content, % ISO 1762	<b>0,1</b>	<b>≤ 0,2</b>
pH 6388-2	<b>5,7</b>	<b>5,0-7,0</b>

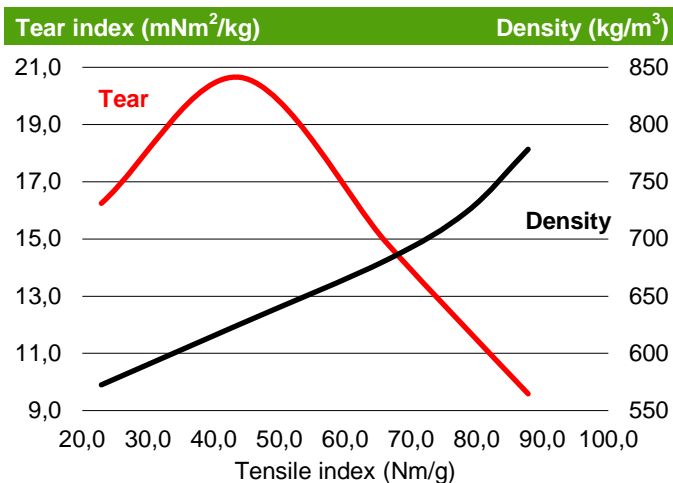
### REFINABILITY



### FIBRE CHARACTERISTICS

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

### TEAR AND DENSITY AT TENSILE



### RAW MATERIAL

#### Softwood

Pine (*Pinus Silvestris*), Spruce (*Picea Abies*)

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
<b>0</b>	718	13	23	3,5	16,2	107	572	71,5	1,3
<b>46</b>	689	14	44	5,4	20,6	204	626	68,5	1,4
<b>128</b>	578	19	66	7,1	14,9	381	681	65,2	4
<b>204</b>	401	28	78	8,0	11,8	714	724	63,0	28
<b>306</b>	215	48	88	8,7	9,6	1148	778	60,5	670
59	680	15	<b>50</b>	6,0	21,9	232	641	67,6	1,4
142	560	20	<b>70</b>	7,4	13,9	411	691	64,7	4
330	170	53	<b>90</b>	8,9	9,1	1250	791	59,9	822
137	557	<b>20</b>	68	7,2	14,5	422	687	65,0	7
179	460	<b>25</b>	74	7,7	12,9	603	710	63,7	20
214	383	<b>30</b>	79	8,1	11,6	756	729	62,8	90

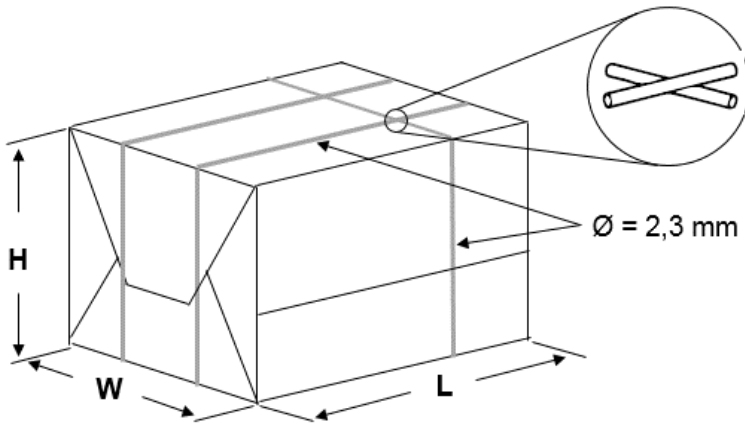
Typical values are averages from all mill quality control samples during 2018. They are given in good faith to represent mill performance and do not constitute contractual undertaking. Values in the table are mean (indicative) values from pulp testing with Voith-Sulzer refining, using standard water. 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
FIN	
Mill No	Product
	Lot No

### Standard bale



### Sheets

**Size:** 85 x 70 cm

**Grammage:** 1100 g/m<sup>2</sup>

### Standard bale

**Size:** L = 89 cm

W = 73 cm

H = 43,5 cm

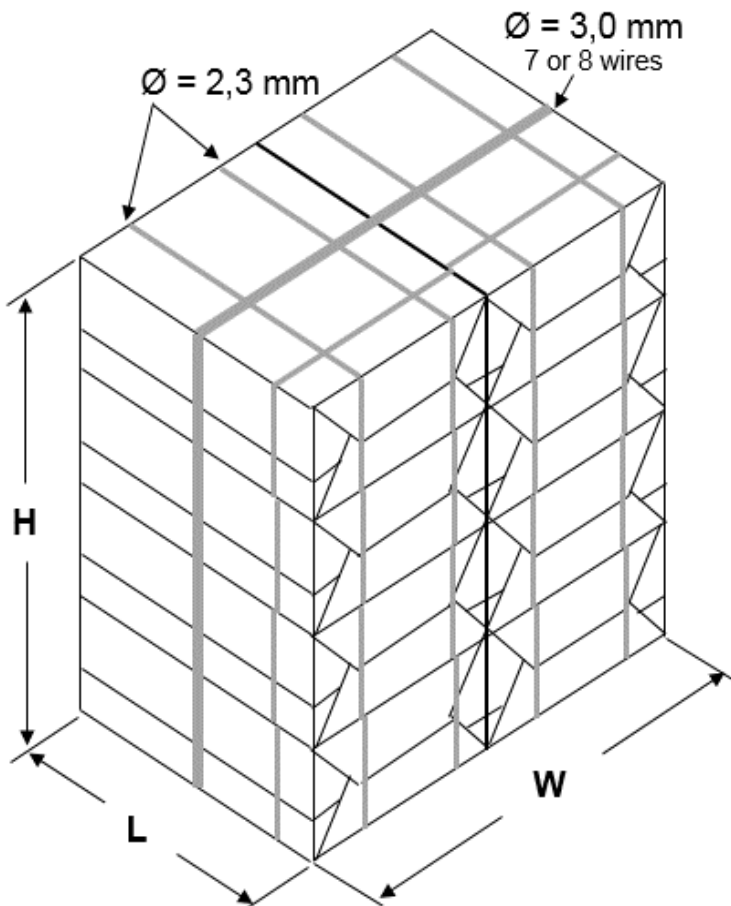
**Weight:** 250 kg

**Wrapping:** Pulp sheets (unwrapped on demand)

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

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

### Standard bale unit configuration



### Standard bale unit configuration

#### Standard bale units

**Size:** L = 89 cm

W = 146 cm

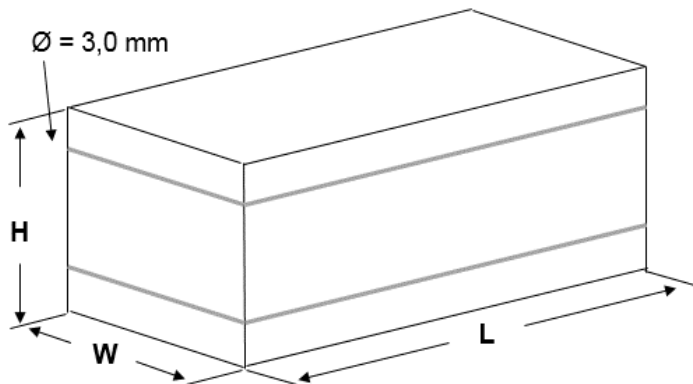
H = 175cm

**Weight:** 2000 kg (8 x 250 kg)

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

## UPM Conifer Kymi

### Big bale



#### 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

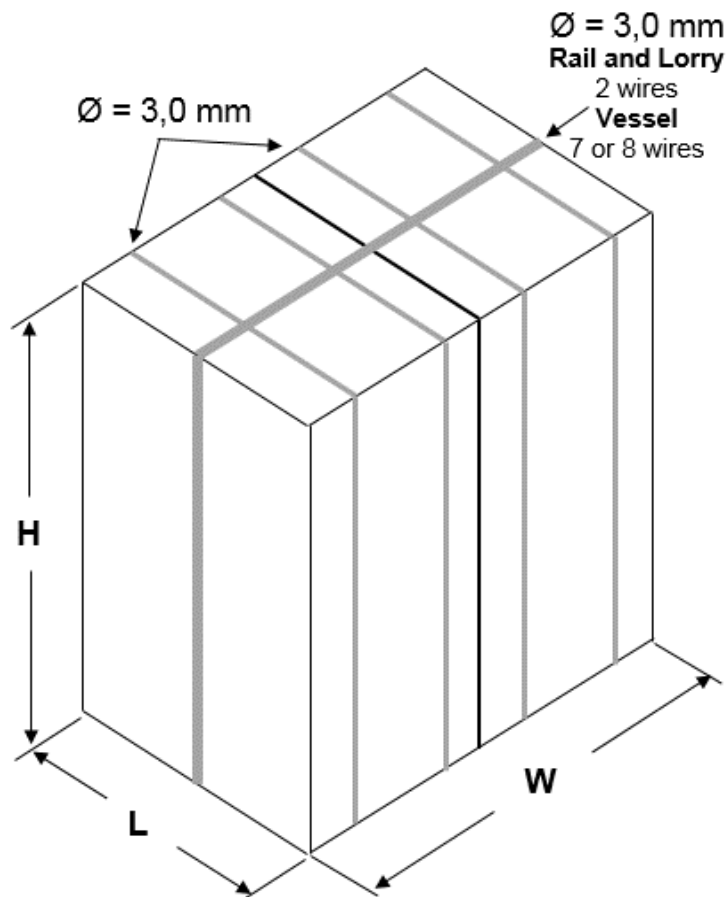
**Weight:** 1000 kg

**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

### Big bale unit configuration



#### 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

#### UPM-Kymmene Corporation

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#### Contact information:

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