

# TECHNICAL DATA SHEET

## UPM Conifer

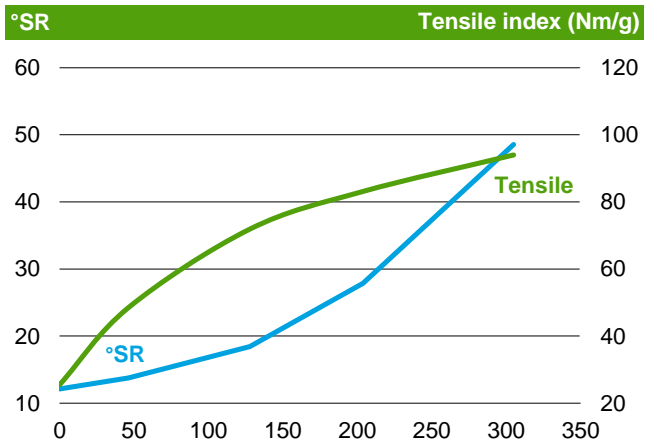
ECF Bleached Northern Softwood Kraft Pulp  
Pulp mill: UPM Kymi

Date of issue: 29.11.2018

### PULP CHARACTERISTICS

	Typical value	Spec
Brightness, ISO % ISO 2470-1	<b>89</b>	≥ 88
Impurities, mm <sup>2</sup> /kg ISO 5350	<b>3</b>	
Extractives, % SCAN-CM 49:93	<b>0,04</b>	≤ 0,15
Ash content, % ISO 1762	<b>0,1</b>	≤ 0,2
pH ISO 6588	<b>5,7</b>	5,0-7,0

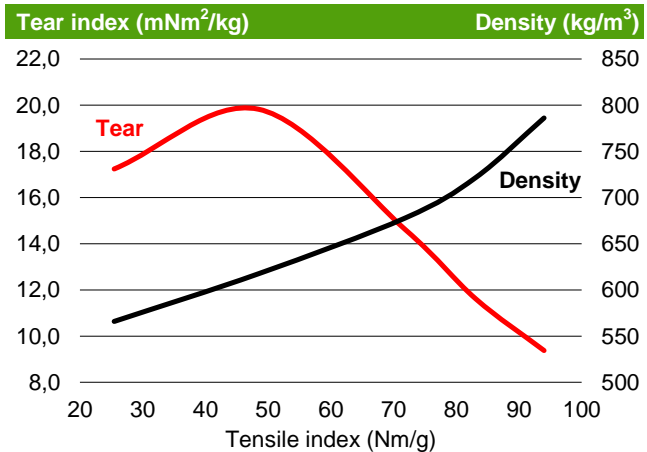
### REFINABILITY



### FIBRE CHARACTERISTICS

	Typical value
Fibre length, mm Metso FS5	<b>2,14</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	Nm/g	mNm <sup>2</sup> /g	J/m <sup>2</sup>	kg/m <sup>3</sup>	%	s
<b>0</b>	719	12	25	3,7	17,2	111	566	71,7	1,3
<b>46</b>	693	14	48	5,6	19,8	220	618	68,3	1,6
<b>128</b>	576	18	72	7,3	14,6	413	678	65,0	6
<b>204</b>	414	28	83	8,1	11,6	658	722	62,7	52
<b>305</b>	205	49	94	8,9	9,4	1065	786	60,0	995
49	691	14	<b>50</b>	5,8	20,0	227	621	68,0	1,6
121	585	18	<b>70</b>	7,2	15,0	398	673	65,3	6
268	282	41	<b>90</b>	8,6	10,2	916	762	61,0	649
140	549	<b>20</b>	74	7,4	14,1	454	685	64,6	14
181	463	<b>25</b>	80	7,9	12,5	583	708	63,4	38
214	392	<b>30</b>	84	8,2	11,4	700	728	62,5	149
163	<b>500</b>	23	77	7,7	13,2	527	698	63,9	28
210	<b>400</b>	29	84	8,2	11,4	679	725	62,5	56
259	<b>300</b>	39	89	8,5	10,4	880	757	61,2	566

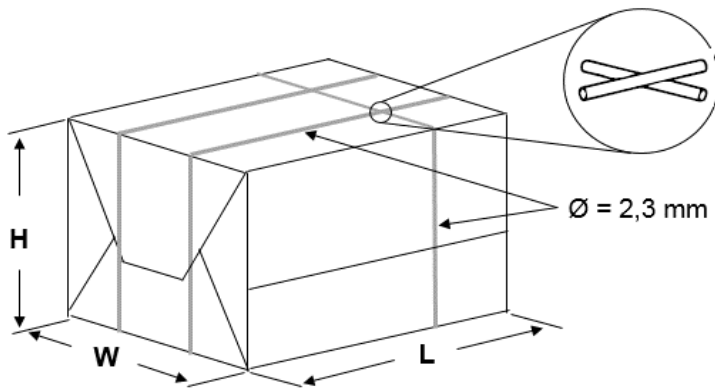
Typical values are averages from all mill quality control samples during 2018. They are given in good faith to represent mill performance and do not constitute contractual undertaking. Values in the table are mean (indicative) values from pulp testing with Voith-Sulzer refining, using standard water. 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



### Standard bale

<b>Size:</b>	L =	89 cm
	W =	73 cm
	H =	43,5 cm

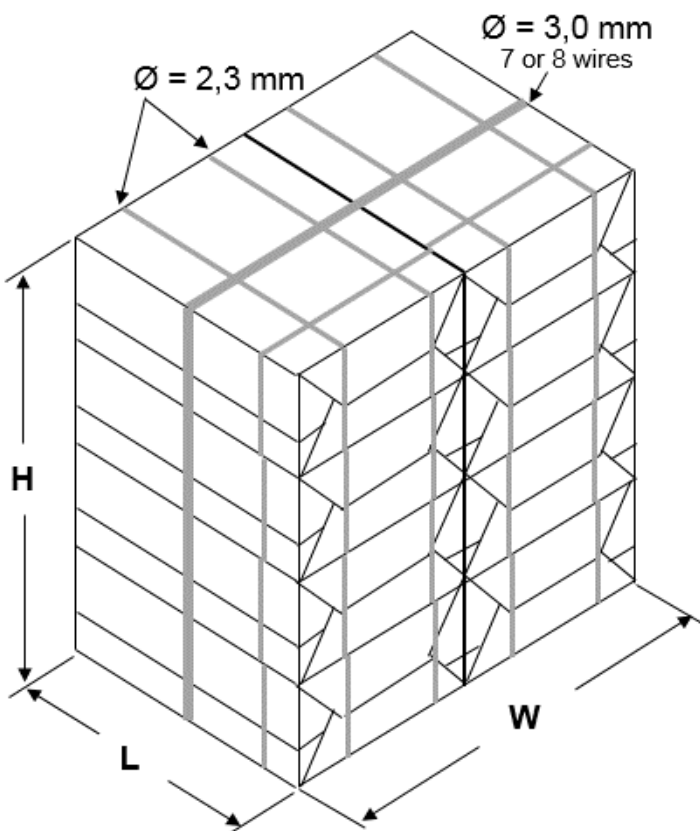
**Weight:** 250 kg

**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

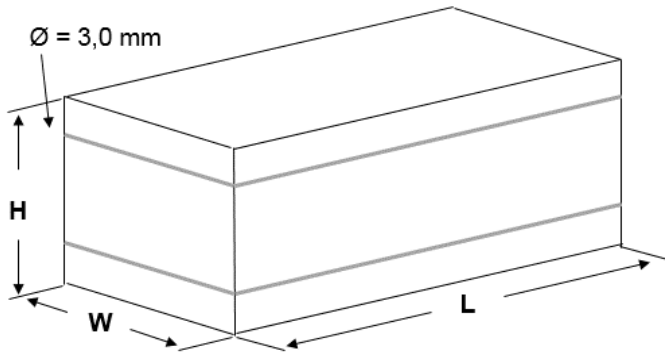
<b>Size:</b>	L =	89 cm
	W =	146 cm
	H =	175cm

**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

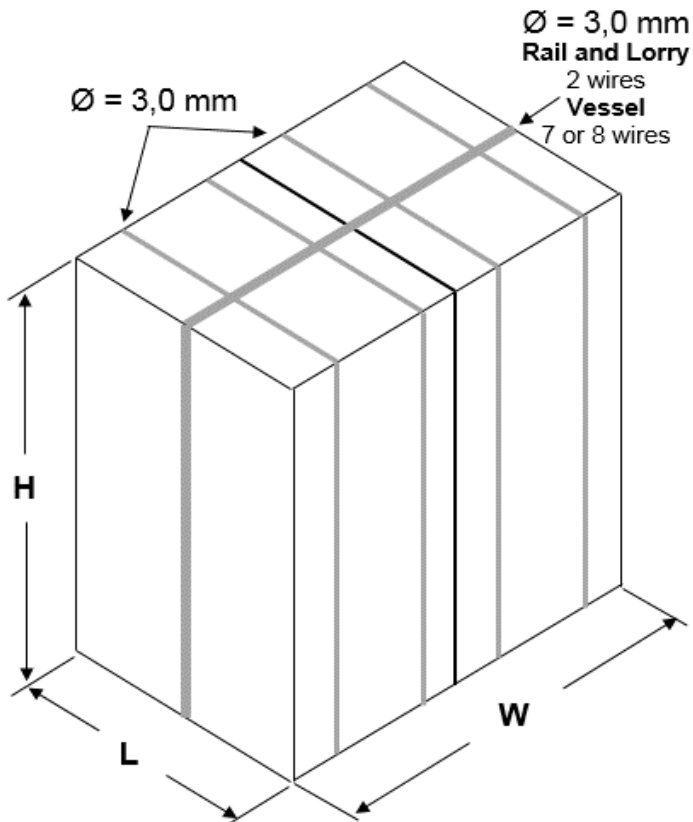
**Weight:** 1000 kg

**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



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