

TECHNICAL DATA SHEET

UPM Conifer

ECF Bleached Northern Softwood Kraft Pulp
Pulp mill: UPM Kymi

Date of issue: 12.6.2017

PULP CHARACTERISTICS

	Typical value	Spec
Brightness, ISO % ISO 2470-1	89	≥ 87
Impurities, mm ² /kg ISO 5350	3	
Extractives, % SCAN-CM 49:93	0,04	≤ 0,15
Ash content, % ISO 1762	0,1	≤ 0,2
pH ISO 6588	6	5,0-7,0

FIBRE CHARACTERISTICS

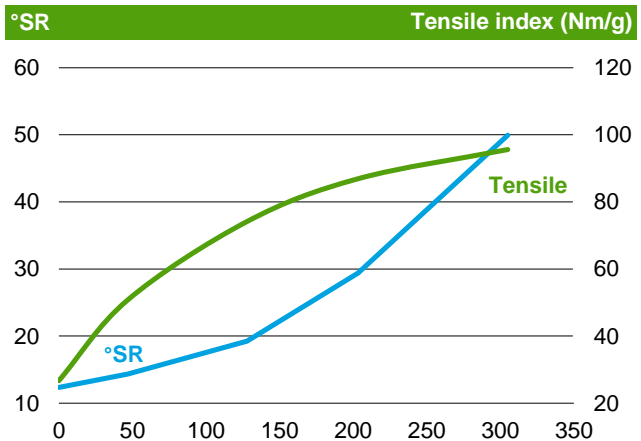
	Typical value
Fibre length, mm Metso FS5	2,2
Coarseness, mg/m Metso FS5	0,15

RAW MATERIAL

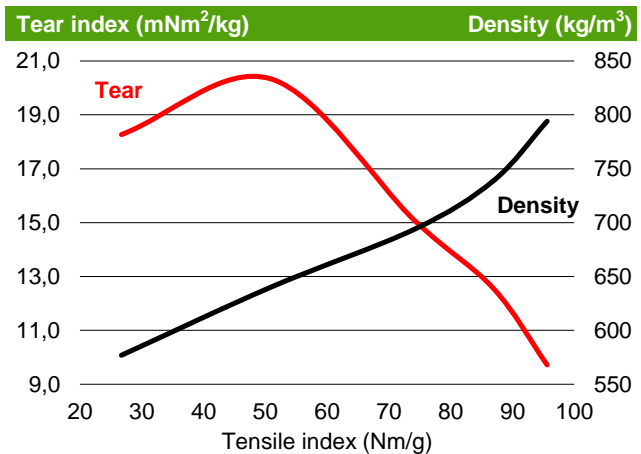
Softwood

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	Nm/g	mNm ² /g	J/m ²	kg/m ³	%	s
0	718	12	27	3,9	18,3	100	577	71,2	1,5
47	680	14	51	5,9	20,3	225	640	67,2	2,2
128	560	19	74	7,4	15,1	414	694	64,4	12
203	394	29	87	8,3	12,6	671	739	62,3	116
305	203	50	96	9,0	9,7	1061	794	59,5	1774
45	681	14	50	5,8	20,3	221	638	67,4	2,2
113	581	18	70	7,2	16,0	380	684	64,9	10
239	326	37	90	8,6	11,6	809	758	61,3	703
133	548	20	75	7,5	14,9	433	697	64,2	20
171	466	25	81	8,0	13,7	559	719	63,2	71
206	388	30	87	8,4	12,5	682	740	62,2	164
155	500	23	79	7,8	14,2	506	710	63,6	50
200	400	29	86	8,3	12,7	661	737	62,4	112
253	300	39	91	8,7	11,2	862	766	60,9	930

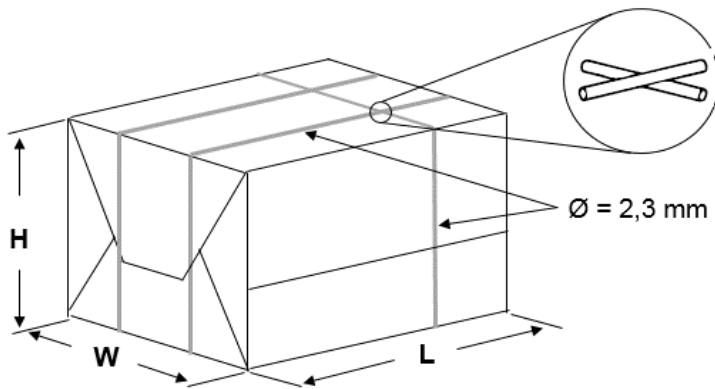
Typical values are averages from all mill quality control samples during 2016. They are given in good faith to represent mill performance and do not constitute contractual undertaking. Values in the table are mean (indicative) values from pulp testing with Voith-Sulzer refining, using standard water. Specific Edge Load 2,5 J/m, ISO testing methods (H 50%, 23 °C, 60 gr/m² sheets).

UPM Conifer 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 ²

Standard bale

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

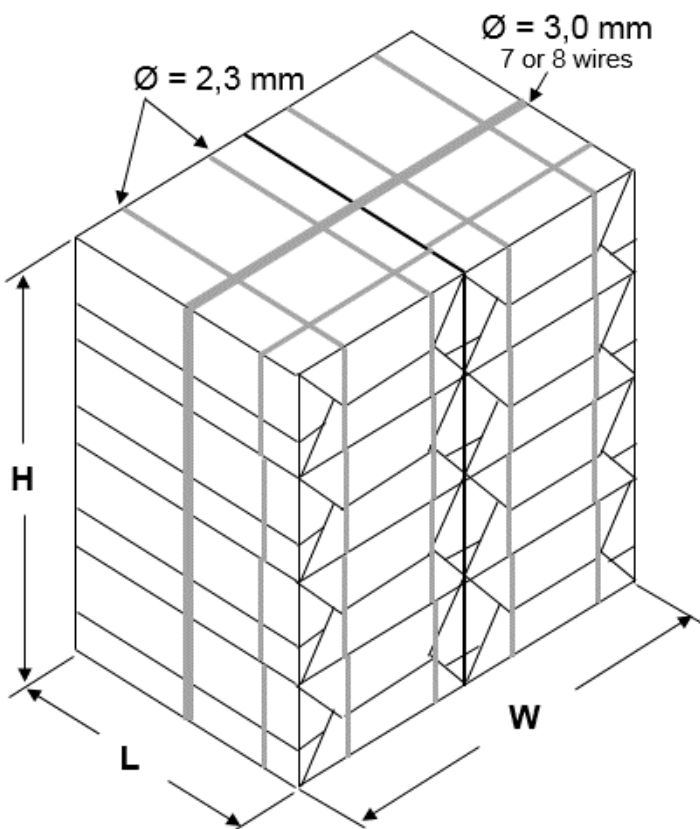
Weight: 250 kg

Wrapping: Pulp sheets (unwrapped on demand)

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

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

Standard bale unit configuration



Standard bale unit configuration

Standard bale units

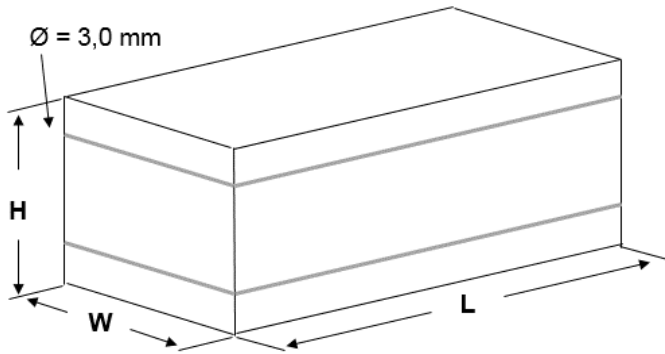
Size:	L = 89 cm
	W = 146 cm
	H = 175 cm

Weight: 2000 kg (8 x 250 kg)

Wires: 7 galvanized wires, diameter 3,0 mm

UPM Conifer Kymi

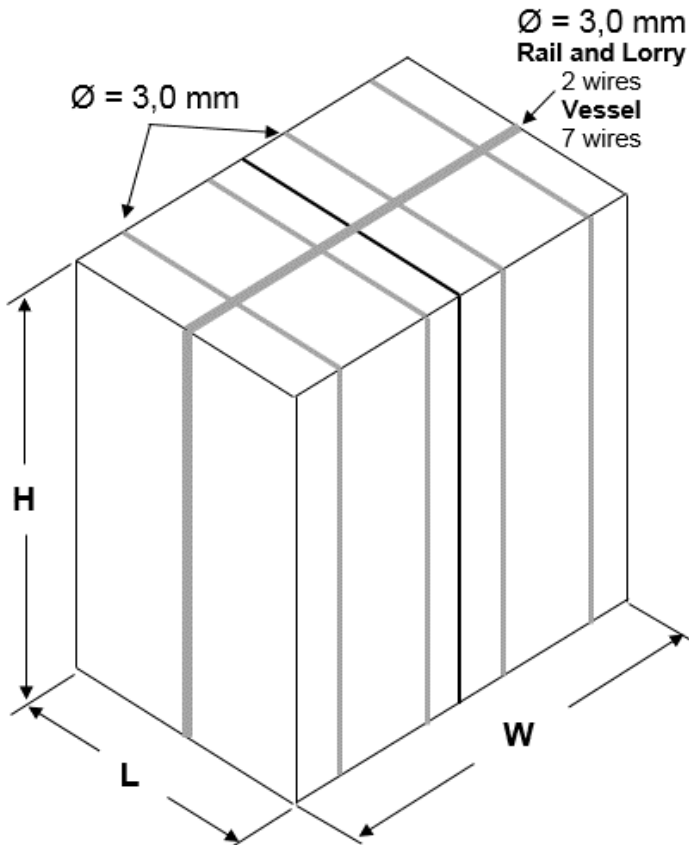
Big bale



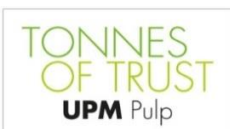
Sheets	
Size:	85 x 70 cm
Grammage:	1100 g/m ²

Big bale	
Size:	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	
Size:	L = 87 cm W = 144 cm H = 175cm
Weight:	2000 kg (2 x 1000 kg)
Wires:	Vessel 7 galvanized wires, Rail and Lorry 2 wires diameter 3,0 mm



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