

Metsä Strong RMA

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PEFC/02-33-21
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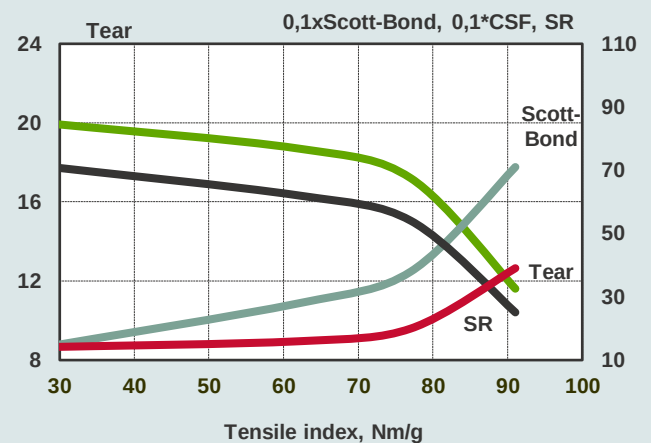
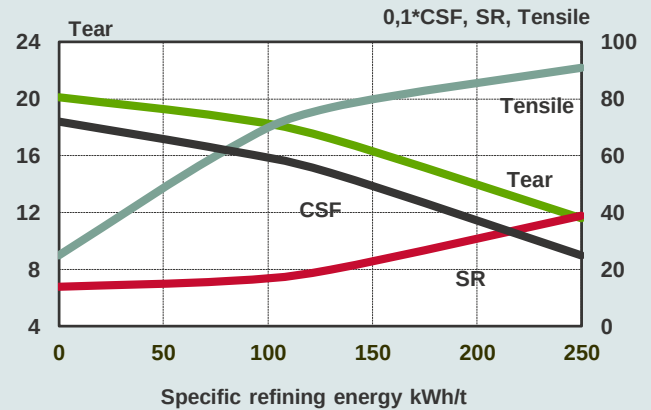


The mark of
responsible forestry

Metsä Strong is our strong bleached reinforcement softwood kraft pulp that is made of high-quality Nordic pine (*Pinus sylvestris*) and spruce (*Picea abies*). The wood we use is sustainably sourced and traceable. We produce Metsä Strong at our high-capacity, state-of-the-art production facility in Rauma, Finland.

Raw material	
Pine (<i>pinus sylvestris</i>)	40–60%
Spruce (<i>picea abies</i>)	40–60%

Pulp characteristics		
Brightness, ISO	PulpExpertDCD	Target 87%
Fibre length, mm	PulpExpert, ISO 16065-1	Typical value 2.50 mm
Coarseness	Valmet FS-5	0.160–0.195 mg/m
Ash content	ISO 1762:2001	0–0.5%
Viscosity	ISO 5351	Min. 750 ml/g
pH	ISO 6588	5.0–7.0



Specific refining energy kWh/t	CSF ml	Schopper-Riegler – number	Tensile index Nm/g	Tensile Stiffness Index kNm/g	Tear index mNm ² /g	Scott-Bond J/m ²	Density kg/m ³	Opacity %	Air resistance (Gurley) s
0	718	14	25	3,7	20,1	126	556	66,5	0,7
80	625	16	62	6,3	18,7	280	644	61,2	2,2
130	543	20	77	7,4	17,2	382	692	58,6	6,6
250	251	39	91	8,4	11,6	711	752	59,2	395
96	600	17	67	6,7	18,3	313	660	60,3	3,1
152	500	22	82	7,8	16,3	427	709	57,7	12
133	537	20	78	7,5	17,1	388	694	58,4	7,1
176	450	25	86	8,0	15,3	475	726	57,0	23
105	586	17	70	6,9	18,0	331	669	59,8	3,7
219	350	32	90	8,3	13,2	569	746	56,4	89

Mean (indicative) values from pulp testing with Lab-Finer using standard water.
Specific Edge Load 2,5 J/m, ISO testing methods, testing climate 50% RH, 23°C. Handsheets 60 g/m².

Metsä Strong RMA

Sheets

Size	84 x 78 cm
Grammage	800 – 980 g/m ²

Bales

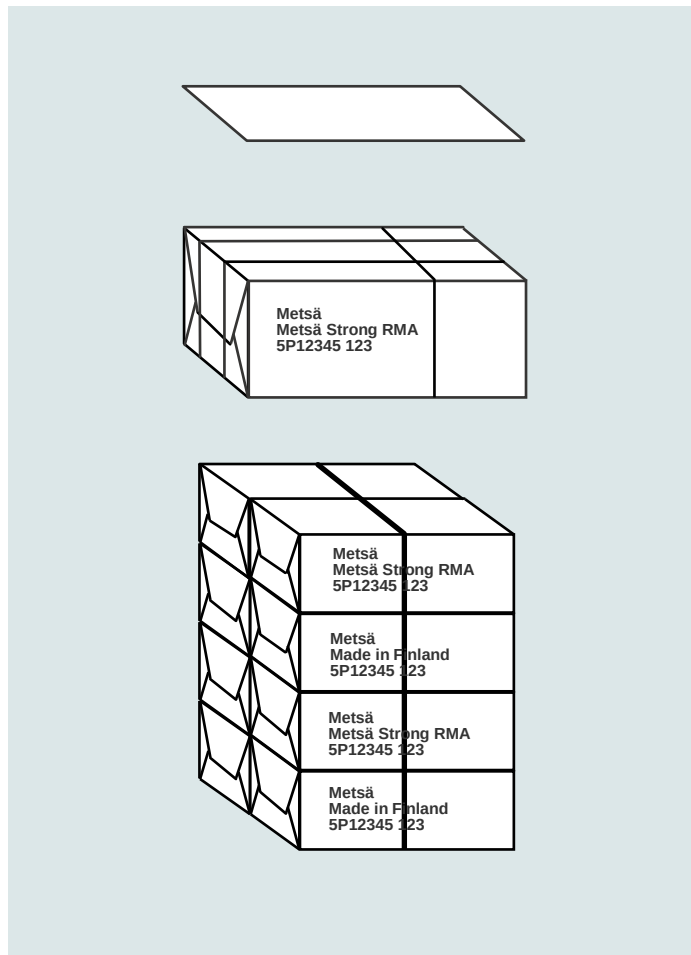
Size	84 x 78 x 42 cm
Gross weight	250 kg
Wrappers	Pulp sheet
Wires	3 galvanized wires, diameters 2.3 mm
Markings	Black ink-jet printing, water soluble ink Brand name and bale number on outside of the bale

Units

Size	85 x 160 x 175 cm
Gross weight	2,000 kg (8 x 250 kg)
Wires	8 galvanized wires, diameter 3.0 mm
Identification	RFID tag 1/ton

Certificates

ISO 14001	Environmental management system
ISO 9001	Quality management system
PEFC COC	Chain of Custody, controlled sources License PEFC/02-33-21
FSC® COC/CW	Chain of Custody, controlled wood License FSC-C002102
ISO 50001	Energy management system
ISO 45001	Health and safety management system
ISO 22000	Food safety management system



End uses

Wood free papers
Wood containing
Speciality papers