

# Botnia High Yield

## TENSILE

Date: 01/01/2018

Tailor made TCF\* high strength High Yield Pulp for Tissue and Specialty papers

### Target values

Tensile index 38

ISO 5270/1924-2

Brightness % 82.0

ISO 2470

### Raw material

Hardwood 60–90 %

Softwood 10–40 %

### Typical Pulp Characteristics

Canadian standard 300

freeness, ml

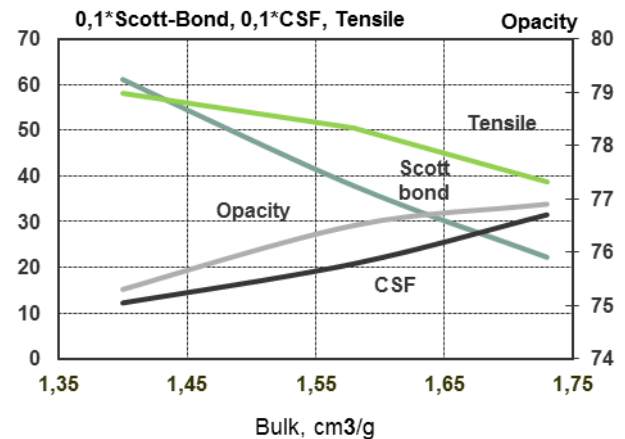
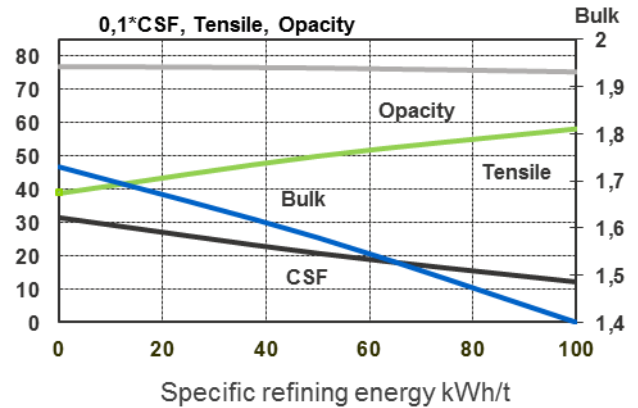
ISO 5267-2

pH 8.5

ISO 6588

Shives (Pulmac, %) < 0.3

0.004" slots



Beating energy	CSF	Bulk	Tensile index	Tear index	Scott bond	Opacity	Light scattering	Air resistance
kWh/t	ml	cm <sup>3</sup> /g	Nm/g	mNm <sup>2</sup> /g	J/m <sup>2</sup>	%	m <sup>2</sup> /kg	(Gurley) s
0	315	1,73	38,8	4,1	222	76,9	36,1	31
50	208	1,58	50,0	3,6	378	76,5	34,6	132
100	122	1,40	58,2	3,6	611	75,3	31,8	553

Typical (indicative) values from pulp testing with Voith-Sulzer LR1-laboratory refiner. Specific Edge Load 0,3 J/m, ISO testing methods, 60 gsm sheets recirculation, testing climate 50 % RH, 23°C. PLEASE NOTE! The laboratory refining results are given only to inform how different properties develop during the refining. Quality control of Metsä Board High Yield Pulp is based on handsheet measurements of unrefined pulp.

\*TCF = Totally Chlorine Free



Metsä Board Kaskinen

Address: FI-64260 Kaskinen, Finland

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### Applications

Tissue  
- Speciality papers  
- Coated and uncoated P & W papers

### Certificates

ISO 9001	Quality system
ISO 14001	Environmental management system
OHSAS 18001	Health and safety management system
ISO 22000	Food Safety management system
ISO 50001	Energy Management system
PEFC COC	Chain of Custody
FSC COC/CW	Chain of Custody Controlled wood

### Bales

**Size:** 90 (l) x 60 (w) x 60 (h) cm

**Gross weight :** c. 250 kg

**Wrappers:** Kraft paper sheet

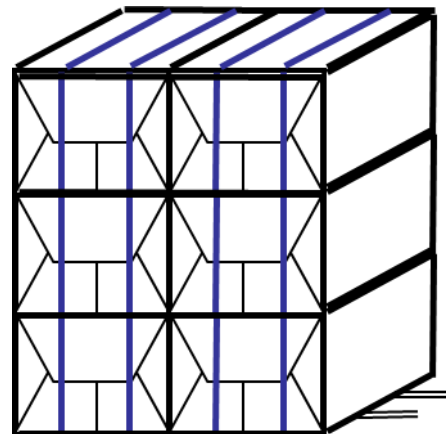
**Wires:** 2 galvanized wires, diameters 2.3 mm

**Markings:** Red ink-jet printing, water soluble ink.

Brand name and bale number stamped on the unit.

**Botnia High Yield  
TENSILE AX 12345**

### Units



**Size:** 90 x 120 x 180 cm

**Gross weight:** 1,500 kg, 6 bales in unit

**Wires:** 6-7 galvanized wires, diameter 3.0 mm

