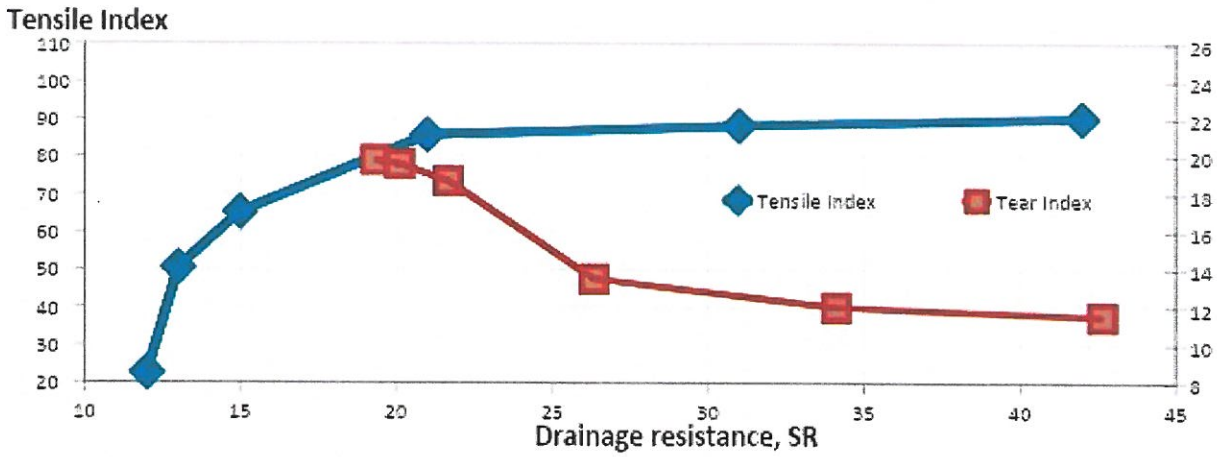
Technical Product Information

Mercer Rosenthal ECF Tear (typical properties)

Northern Bleached Softwood Kraftpulp made of pine (20 to 40 %) and spruce (60 to 80 %)
PFI-mill at 23°C and 50 % relative humidity



Beating revolutions		0	1000	2000	5000	9000	11000	CoV [%] 5000 rev	Method
Density	kg/m³	514	583	629	682	711	890	2,0	DIN EN ISO 534
Drainage resistance*	SR	12	13	15	21	31	42	5,0	DIN EN ISO 5267-1
Tensile index	kNm/kg	22,6	50,5	65,3	85,8	88,3	90,3	2,7	DIN ISO 1924-3
Elongation	%								
Tear Index	Nm²/kg	19,8	19,6	18,7	13,5	12,0	11,5	5,5	DIN EN ISO 1974
Burst Index	MN/kg	1,26	2,86	4,11	5,63	5,94	7,6	3,5	DIN EN ISO 2758
Gurley air permeability	s / 100 ml	1,0	1,7	3,0	13,8	31,9	168	16	ISO 5636-5
Light scattering coefficient	m²/kg	28,9	23,1	21,1	18,8	18,3	17,8	2,5	ISO 9416
Opacity	%	81,0	77,0	75,4	71,8	71,6	71,2	0,9	DIN ISO 53146

*Analysed using tap water Sheet former (Rapid Köthen)

General Properties	Typical values	Target value	Unit	Method
ISO Brightness			% ISO	ISO 3688
Sheet brightness	88,5	88	%	CM-3630
Brightness reversion			%	ISO 5630-1
Dirt count	1,0	< 5	mm²/kg	DIN EN ISO 5350-2
Intrinsic Viscosity	750	> 700	ml / g	ISO 5351
Extractives	0,05	< 0,10	%	ISO 14453
Ash	0,30	< 0,40	%	ISO 1762
pH	6	> 5,00		ISO 6588-1
Organic chlorine in pulp	60	< 80	mg/kg	PTS RH 012/90
AOX removable by washing				

Fibre dimensions	Typical values	CoV	Unit	Equipment
Fibre length	2,50	0,9	mm	kajaani MAP
Fibre width	28,0	0,8	µm	kajaani MAP

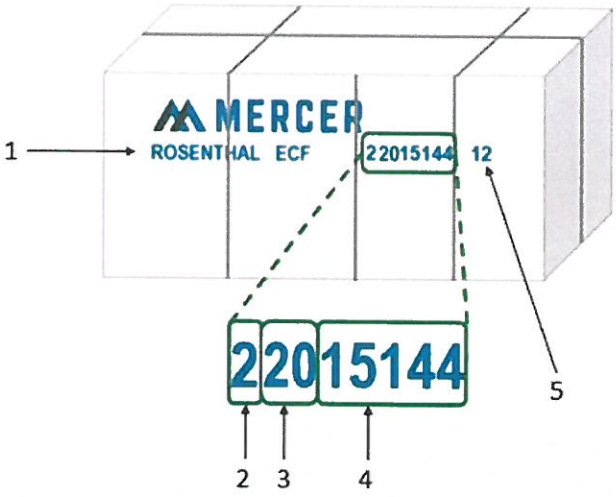
Date: June 2020

Bale marking

1 – Mill and pulp grade (ECF, TCF)

2 – Mill (Mercer Rosenthal: 2, Mercer Stendal: 3)
3 – Year (20 for 2020)
4 – Charge number

5 – Unit number



Dimensions Standard bales

Standard bales

Bales:	77 x 80 x 43 cm (l x w x h) 250 kg 3 wires (one alongside, two cross)
Stack:	4 bales
Unit:	2 stacks resp. 8 bales 2 tons 7 wires 77 x 160 x 172 cm (l x w x h)
Wire Material:	Zinc plated steel