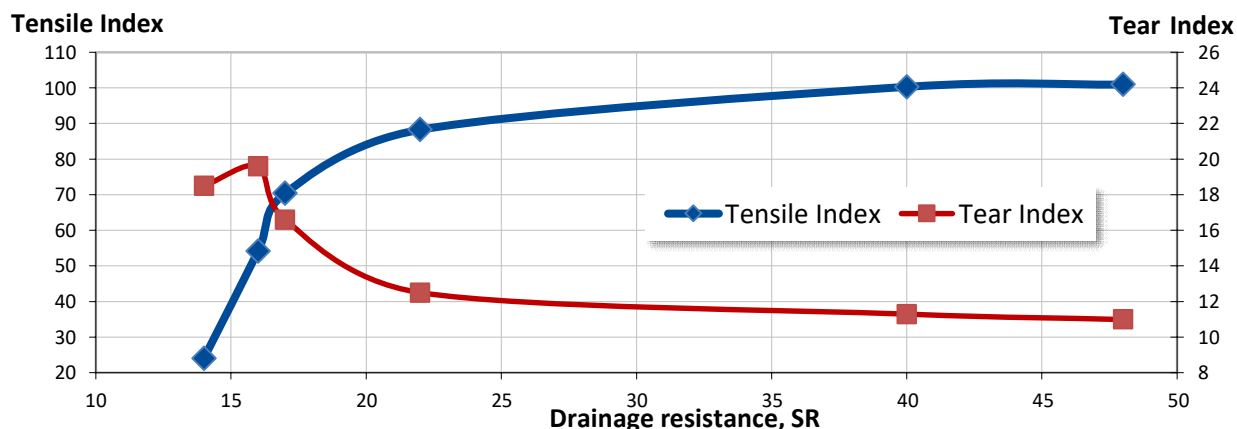


# Technical Product Information

## Mercer Rosenthal ECF Tensile (typical properties)

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



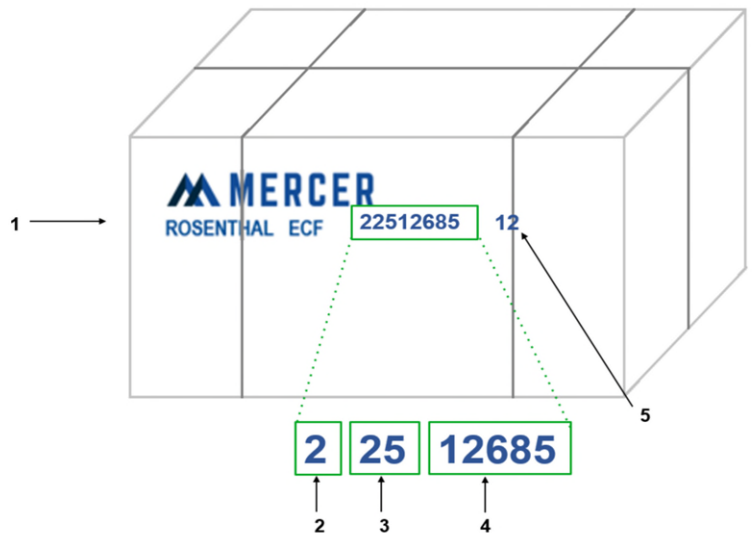
| Beating revolutions     |            | 0    | 1000 | 2000 | 5000 | 9000  | 11000 | CV [%]<br>5000 rev | Method            |
|-------------------------|------------|------|------|------|------|-------|-------|--------------------|-------------------|
| Density                 | kg/m³      | 520  | 580  | 620  | 680  | 710   | 730   | 1,0                | DIN EN ISO 534    |
| Drainage resistance*    | SR         | 14   | 16   | 17   | 22   | 40    | 48    | 4,6                | DIN EN ISO 5267-1 |
| Tensile index           | kNm/kg     | 24,1 | 54,2 | 70,4 | 88,3 | 100,3 | 101,0 | 2,6                | DIN ISO 1924-3    |
| Tear Index              | Nm²/kg     | 18,5 | 19,6 | 16,6 | 12,5 | 11,3  | 11,0  | 5,2                | DIN EN ISO 1974   |
| Burst Index             | MN/kg      | 1,39 | 3,73 | 4,86 | 6,24 | 6,91  | 7,37  | 3,7                | DIN EN ISO 2758   |
| Gurley air permeability | s / 100 ml | 1,0  | 6,8  | 11,1 | 36,4 | 199,2 | 278,1 | 18,0               | ISO 5636-5        |
| Opacity                 | %          | 82,0 | 78,7 | 76,3 | 72,7 | 69,3  | 67,8  | 2,0                | DIN ISO 53146     |

\*Analysed using tap water Sheet former (Rapid Köthen)

| General Properties       | Typical values | Target value | Unit   | Method            | Fibre dimensions | Typical values | Unit | Equipment   |
|--------------------------|----------------|--------------|--------|-------------------|------------------|----------------|------|-------------|
| Sheet brightness         | 89             | 88           | %      | DIN ISO 3688      | Fibre length     | 2,4            | mm   | kajaani MAP |
| Brightness reversion     |                |              | %      | ISO 5630-1        | Fibre width      | 25,2           | µm   | kajaani MAP |
| Dirt count               | 1,1            | < 5          | mm²/kg | DIN EN ISO 5350-2 |                  |                |      |             |
| Intrinsic Viscosity      | 755            | > 700        | ml / g | ISO 5351          |                  |                |      |             |
| Extractives              | 0,07           | < 0,20       | %      | ISO 14453         |                  |                |      |             |
| Ash                      | 0,29           | < 0,40       | %      | ISO 1762          |                  |                |      |             |
| pH                       | 5,8            | > 5,00       |        | ISO 6588-1        |                  |                |      |             |
| Organic chlorine in pulp | 70             | < 80         | mg/kg  | PTS RH 012/90     |                  |                |      |             |

## Bale marking

- 1 – Mill and pulp grade (ECF, TCF)
- 2 – Mill (Mercer Rosenthal: 2, Mercer Stendal: 3)
- 3 – Year (25 for 2025)
- 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

