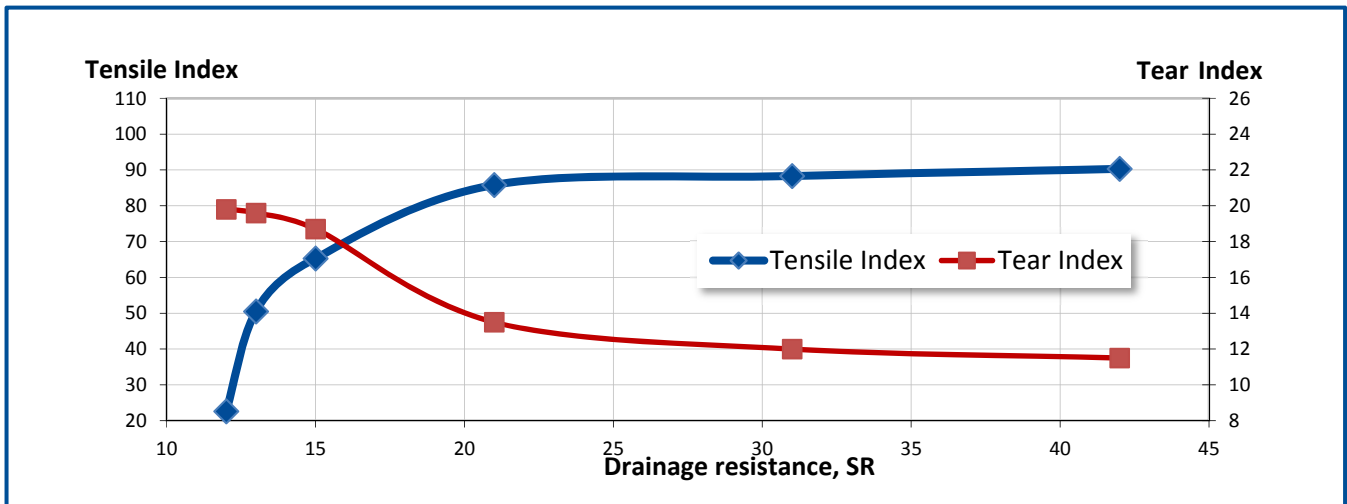


# Technical Product Information

## 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



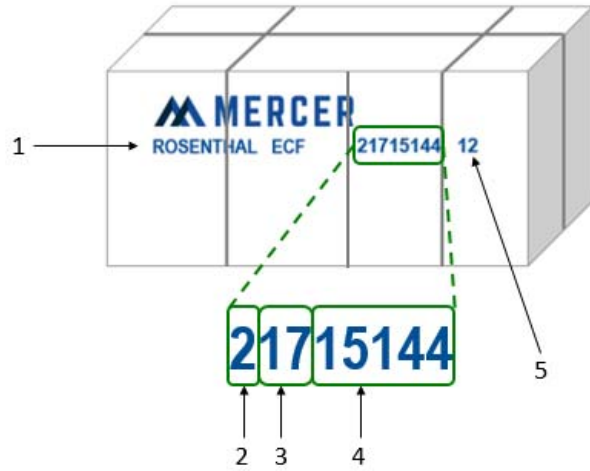
| Beating revolutions          |                     | 0    | 1000 | 2000 | 5000 | 9000 | 11000 | CoV [%]<br>5000 rev | Method            |
|------------------------------|---------------------|------|------|------|------|------|-------|---------------------|-------------------|
| Density                      | kg/m <sup>3</sup>   | 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                   | Nm <sup>2</sup> /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 | m <sup>2</sup> /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     |

| General Properties       | Typical values | Target value | Unit                | Method            | Fibre dimensions | Typical values | CoV | Unit | Equipment   |
|--------------------------|----------------|--------------|---------------------|-------------------|------------------|----------------|-----|------|-------------|
| ISO Brightness           |                |              | % ISO               | ISO 3688          |                  |                |     |      |             |
| Sheet brightness         | 88,5           | 88           | %                   | CM-3630           | Fibre length     | 2,50           | 0,9 | mm   | kajaani MAP |
| Brightness reversion     |                |              | %                   | ISO 5630-1        | Fibre width      | 28,0           | 0,8 | µm   | kajaani MAP |
| Dirt count               | 1,0            | < 5          | mm <sup>2</sup> /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 |                |              |                     |                   |                  |                |     |      |             |



# Bale marking

- 1 – Mill and pulp grade (ECF, TCF)
- 2 – Mill (Mercer Rosenthal: 2, Mercer Stendal: 3)
- 3 – Year (17 for 2017)
- 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

