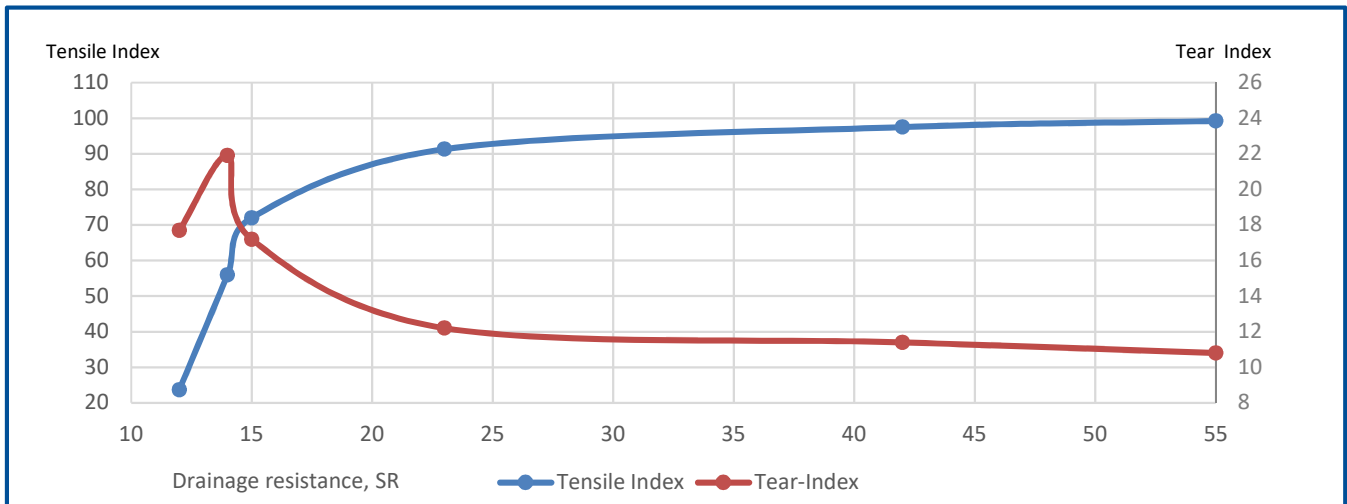


Technical Product Information

Mercer Stendal ECF LXX 70 % SMC (typical properties)

Northern Bleached Softwood Kraftpulp made of pine (30 to 60 %) and spruce (40 to 70 %)
PFI-mill at 23°C and 50 % relative humidity



| Beating revolutions | | 0 | 1000 | 2000 | 5000 | 9000 | 11000 | CoV [%] 5000 rev | Method |
|------------------------------|---------------------|------|------|------|------|------|-------|---------------------|-------------------|
| Density | kg/m ³ | 559 | 644 | 687 | 756 | 785 | 800 | 1.3 | DIN EN ISO 534 |
| Drainage resistance* | SR | 12 | 14 | 15 | 23 | 42 | 55 | 5.1 | DIN EN ISO 5267-1 |
| Tensile index | kNm/kg | 23.7 | 56.0 | 72.0 | 91.3 | 97.5 | 99.2 | 3.3 | DIN ISO 1924-3 |
| Elongation | % | 2.4 | 3.8 | 4.0 | 3.9 | 3.7 | 3.6 | 4.0 | DIN ISO 1924-3 |
| Tear Index | Nm ² /kg | 17.7 | 21.9 | 17.2 | 12.2 | 11.4 | 10.8 | 5.9 | DIN EN ISO 1974 |
| Burst Index | MN/kg | 1.5 | 3.9 | 5.3 | 6.6 | 7.0 | 7.0 | 3.8 | DIN EN ISO 2758 |
| Gurley air permeability | s / 100 ml | 1.5 | 3.4 | 6.0 | 29.9 | 111 | 326 | 22 | ISO 5636-5 |
| Light scattering coefficient | m ² /kg | 33.2 | 25.3 | 23.3 | 19.7 | 18.2 | 17.5 | 1.2 | ISO 9416 |
| Opacity | % | 76.4 | 71.5 | 69.6 | 66.3 | 63.7 | 63.4 | 1.0 | ISO 2471 |

*Analysed using tap water Sheet former (Rapid Köthen)

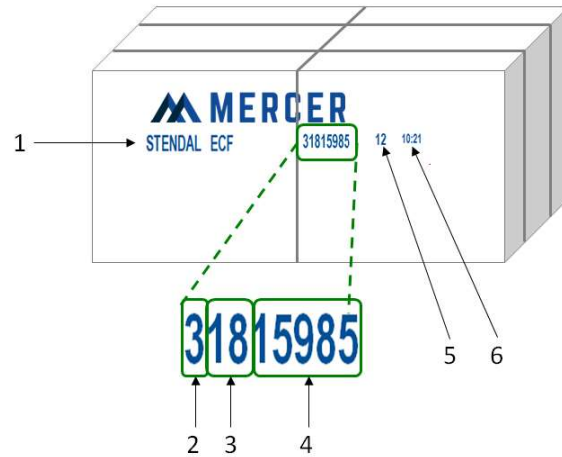
| General Properties | Typical values | Target value | Unit | Method SCAN | Fibre dimensions | Typical values | CoV [%] | Unit | Equipment |
|--------------------------|----------------|--------------|---------------------|-------------------|-----------------------------|----------------|------------|----------|----------------------|
| ISO Brightness | 89.4 | >88.5 | % ISO | ISO 3688 | Fibre length Fibre width | 2.32 29.6 | 4.0 8.0 | mm µm | Pulp Eye Pulp Eye |
| Sheet brightness | 88.9 | - | % | ISO 2470 | | | | | |
| Brightness reversion | 3.5 | - | % | ISO 5630-1* | | | | | |
| Dirt count | 1.0 | <3 | mm ² /kg | DIN EN ISO 5350-2 | | | | | |
| Intrinsic Viscosity | 705 | >600 | ml / g | ISO 5351 | | | | | |
| Extractives | 0.06 | <0.10 | % | SCAN CM 49:03 | | | | | |
| Ash | 0.14 | <0.30 | % | ISO 1762 | | | | | |
| pH | 5.0 | - | | SCAN P 14:65** | | | | | |
| Organic chlorine in pulp | 49 | <100 | mg/kg | SCAN CM 52:94 | | | | | |
| AOX removable by washing | 2 | <5 | mg/kg | SCAN CM 44:97 | | | | | |

* time 24 h ** use of KCl instead of deion. water



Bale marking

- 1 – Mill and pulp grade (ECF, TCF, other/XXXX)
- 2 – Mill (Mercer Rosenthal: 2, Mercer Stendal: 3)
- 3 – Year (18 for 2018)
- 4 – Charge number
- 5 – Unit number
- 6 – Production time (Stendal only)



Dimensions Standard bales

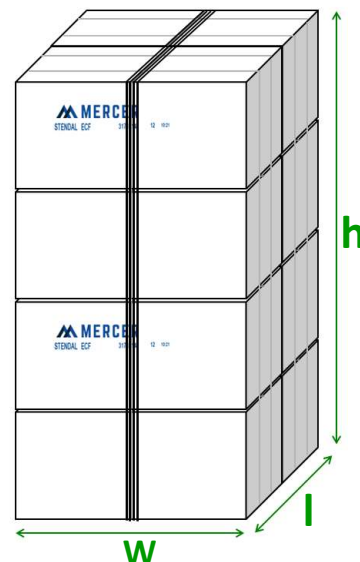
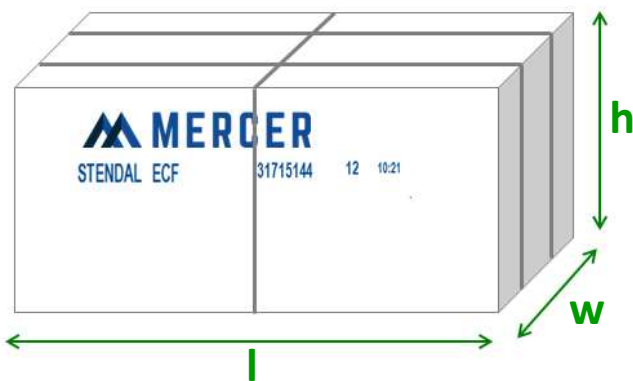
Standard bales

Bales: 85 x 80 x 40 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
 8 wires
 160 x 85 x 160 cm (l x w x h)

Wire Material: Zinc plated steel



Dimensions Jumbo/Big bales (Stendal only)

Bales: 85 x 80 x 160 (l x w x h)
 1 ton
 2 wires (cross)

Unit: 2 stacks resp. 2 bales
 2 tons
 8 wires
 160 x 85 x 160 cm (l x w x h)

Wire Material: Zinc plated steel