

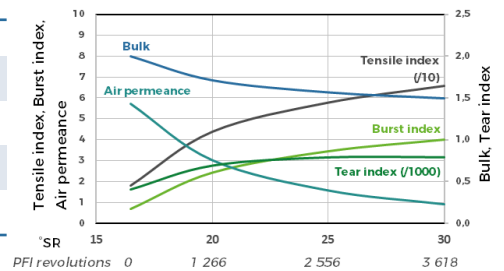
ECF bleached hardwood Kraft pulp (BHKP), composed of Poplar (30%), Beech (21%), Chestnut and Oak (39%) and others (10%).

The fibers diversity of the MHW pulp from Saint-Gaudens mill provides a regular filling of the sheet, developing particularly attractive characteristics such as :

- An excellent aptitude to sheet formation for all grammages, especially with high grammages
- A good opacity and a good bulk which provide a real interest in low grammages
- A low air permeability for a good surface finish and high printability characteristics
- An excellent cleanliness which fits to technical coating requirements and provides final product aesthetic.

Thus, this wood pulp is optimal for Tissue, Printing & Writing or Specialty papers production.

| OPTICAL, PHYSICO-CHEMICAL AND MORPHOLOGICAL PROPERTIES | | | | | |
|--|-----|----------|-------------|---------------------|-------------------|
| Brightness | % | ISO 2470 | 89,1 (≥ 88) | Acetone Extractives | % ISO 14453 ≤ 0,3 |
| Dirt | ppm | ISO 5350 | 1,0 (≤ 4) | Ash | % ISO 1762 ≤ 0,7 |
| pH | | ISO 6588 | 4 – 6 | Fiber Length | mm MorFi 0,78 |
| Opacity | % | ISO 2471 | 84,5 | Coarseness | mg/m MorFi 0,10 |



PHYSICAL PROPERTIES (1)

PFI beating (ISO 5264/2) - Rapid Köthen Handsheets (80 g/m²)
Testing conditions - 23°C - 50%RH (ISO 187)

| Property | Unit | ISO Standard | Average (Min) | SR | | | |
|---------------|---------------------------------------|--------------|----------------|---|----------------|--------------|-------------|
| | | | | 16,5 ^{+/-1,0} (unrefined pulp) = 675 | 20 = 600 | 25 = 500 | 30 = 425 |
| Bulk | cm ³ /g | ISO 534 | 2,00 (1,97) | 1,71 (1,62) | 1,56 (1,52) | 1,49 (1,46) | |
| Tensile Index | kN.m/kg | ISO 1924/2 | 18,2 (15,5) | 43,9 (36,1) | 57,7 (48,6) | 65,7 (56,6) | |
| Burst Index | kPa.m ² /g | ISO 2758 | 0,7 (0,5) | 2,4 (1,9) | 3,4 (2,8) | 4,0 (3,1) | |
| Tear Index | mN.m ² /g | ISO 1974 | 408 (314) | 690 (585) | 787 (674) | 789 (656) | |
| Air permeance | cm ³ /m ² .Pa.s | ISO 5636/3 | 57,2 (53 / 63) | 30,3 (21 / 36) | 15,8 (10 / 20) | 9,2 (6 / 12) | |

(1) These values originate from the mill quality control measurements performed during 2021. They are given in good faith to represent mill performance and do not constitute contractual undertaking.
(2) Conversion from SR. No laboratory measurements was performed.

ENVIRONMENT, QUALITY, SECURITY, WOOD CERTIFICATIONS

ISO 9001 : 2015

ISO 14001 : 2015

ISO 45001 : 2018

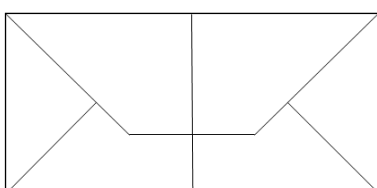
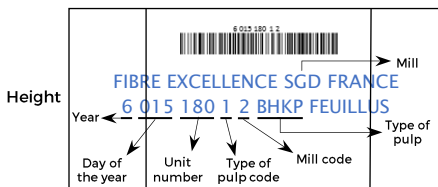
ISO 50001 : 2018

International Forest Certification Systems (Available upon request)

Food contact certification (ISEGA 62629 U 24)

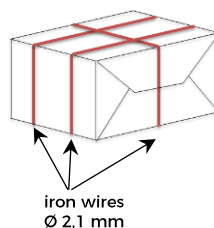
MARKING DESIGN

Hardwood pulp → Marking in blue



Length

Single pulp bale, 250 kg (90%)
Sheet dry pulp



iron wires
Ø 2,1 mm

UNIT AND BALE INFO

Non-wrapped bales available upon request

One unit, 8 bales, 2.0 ADMT

Rail, lorry and container
5 iron wires, Ø 3 mm

Vessel Break Bulk
7 iron wires, Ø 3 mm

Measures in meter
L about 0.84
W about 1.75
H about 1.75

