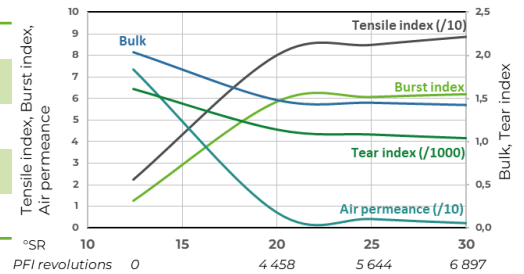


ECF bleached softwood Kraft pulp (BSKP), composed of Pines (85%) and Fir & Spruce (15%).

The bleached softwood Kraft pulp from Saint-Gaudens, produced with maritime pine, provides particularly attractive characteristics for Printing & Writing, Tissue and Specialty papers production :

- Excellent cleanliness, which fits to coating techniques requirements and provides final product aesthetic
- Good breaking length / tearing index compromise, ensuring better runnability and fitting to the requirements of modern printing techniques
- Good bulk, which contributes to a high stiffness.

| OPTICAL, PHYSICO-CHEMICAL AND MORPHOLOGICAL PROPERTIES | | | | | |
|--|-----|----------|-------------|---------------------|-------------------|
| Brightness | % | ISO 2470 | 89,0 (≥ 88) | Acetone Extractives | % ISO 14453 ≤ 0,1 |
| Dirt | ppm | ISO 5350 | 0,7 (≤ 4) | Ash | % ISO 1762 ≤ 0,2 |
| pH | | ISO 6588 | 4 → 6 | Fiber Length | mm MorFi 1,85 |
| Opacity | % | ISO 2471 | 80 | Coarseness | mg/m MorFi 0,19 |



PHYSICAL PROPERTIES ⁽¹⁾

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

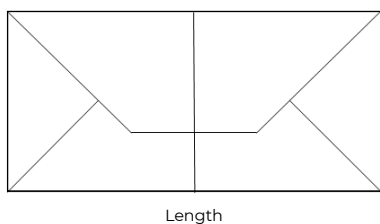
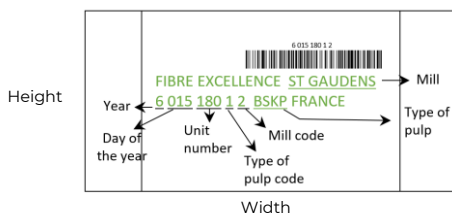
| Property | Unit | ISO Standard | Average (Min) | °SR | | | |
|---------------|---------------------------------------|----------------|---------------|---|---------------|-------------|-------------|
| | | | | 12,4 ^{+/-1.3} (unrefined pulp) ≈ 780 | 20 ≈ 600 | 25 ≈ 500 | 30 ≈ 425 |
| Freeness | CSF (ml) | ISO 5267/1 (2) | - | - | - | - | - |
| Bulk | cm ³ /g | ISO 534 | 2,04 (2,00) | 1,48 (1,46) | 1,45 (1,42) | 1,43 (1,40) | |
| Tensile Index | kN.m/kg | ISO 1924/2 | 22,3 (18,9) | 80,2 (74,9) | 85,0 (81,2) | 88,8 (85,3) | |
| Burst Index | kPa.m ² /g | ISO 2758 | 1,3 (0,9) | 5,9 (5,5) | 6,1 (5,7) | 6,2 (5,9) | |
| Tear Index | mN.m ² /g | ISO 1974 | 1 616 (1 302) | 1 138 (1 051) | 1 080 (1 007) | 1 036 (962) | |
| Air permeance | cm ³ /m ² .Pa.s | ISO 5636/3 | 73,4 (61/85) | 7,2 (5/10) | 4,3 (3/6) | 2,4 (1/4) | |

(1) These values originate from the mill quality control measurements performed during 2020. They are given in good faith to represent mill performance and do not constitute contractual undertaking.
(2) Conversion from °SR. No laboratory measurement performed.

ENVIRONMENT, QUALITY, SECURITY, WOOD CERTIFICATIONS

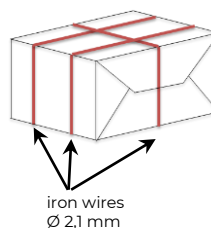
| ISO 9001 : 2015 | ISO 14001 : 2015 | ISO 45001: 2018 |
|---|---------------------------------------|---|
| PEFC chain of custody (SGS CH18/0863) | FSC Controlled Wood (SGSCH-CW-110050) | FSC chain of custody (SGSCH-COC-110050) |
| Food contact certification (ISEGA 52562 U 20) | | |

MARKING DESIGN



UNIT AND BALE INFO

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



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 0.88
W about 1.75
H about 1.75

