

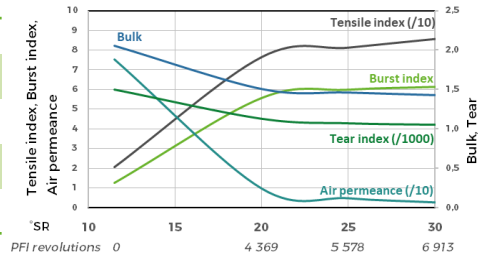
ECF bleached softwood Kraft pulp (BSKP), composed of Pines (85%) and Fir & Spruce (15%).

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	≥ 87	Acetone Extractives	%	ISO 14453	≤ 0,1
Dirt	ppm	ISO 5350	≤ 4	Ash	%	ISO 1762	≤ 0,2
pH		ISO 6588	4 – 6	Fiber Length	mm	MorFi	1,86
Opacity	%	ISO 2471	80,4	Coarseness	mg/m	MorFi	0,18



### PHYSICAL PROPERTIES<sup>(1)</sup>

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

Freeness	°SR	ISO 5267/1		11,5 <sup>+/-</sup> 1,0 (unrefined pulp) = 800			
				20 = 600	25 = 500	30 = 425	
Bulk	cm <sup>3</sup> /g	ISO 534	Average (Min)	2,06 (2,02)	1,50 (1,47)	1,46 (1,45)	1,43 (1,41)
Tensile Index	kN.m/kg	ISO 1924/2	Average (Min)	20,8 (18,9)	76,4 (70,4)	81,2 (77,8)	85,6 (82,2)
Burst Index	kPa.m <sup>2</sup> /g	ISO 2758	Average (Min)	1,3 (1,1)	5,6 (5,0)	6,0 (5,8)	6,1 (5,5)
Tear Index	mN.m <sup>2</sup> /g	ISO 1974	Average (Min)	1 494 (1 220)	1 129 (1 047)	1 072 (1 009)	1 054 (956)
Air permeance	cm <sup>3</sup> /m <sup>2</sup> .Pa.s	ISO 5636/3	Average (Min / Max)	75,1 (68 / 84)	9,7 (7 / 13)	4,8 (3 / 7)	2,7 (1 / 5)

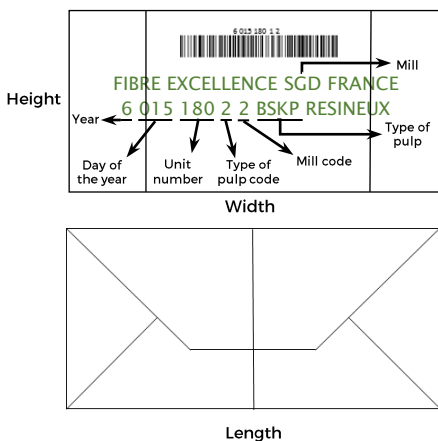
(1) These values originate from the mill quality control measurements performed during 2020! They are given in good faith to represent mill performance and do not constitute contractual undertaking.  
(2) Conversion from °SR. No laboratory measurement performed.

### 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 57586 U 22)		

### MARKING DESIGN

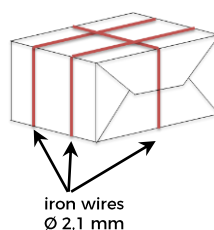
Softwood pulp → Marking in green



### UNIT AND BALE INFO

Non-wrapped bales available upon request

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



One unit, 8 bales, 2.0 ADMT

