

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

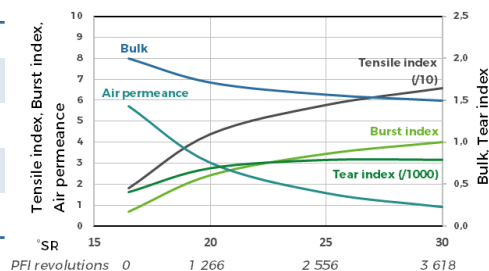
The fibers diversity of the MHW pulp from Saint-Gaudens mill provides a regular filling of the sheet, developing particularly attractive characteristics such as :

- 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)

Freeness	°SR	ISO 5267/1	-	16,5 ± 1,0 (unrefined pulp) ≈ 675	20 ≈ 600	25 ≈ 500	30 ≈ 425
	CSF (ml)	(2)					
Bulk	cm ³ /g	ISO 534	Average (Min)	2,00 (1,97)	1,71 (1,62)	1,56 (1,52)	1,49 (1,46)
Tensile Index	kN.m/kg	ISO 1924/2	Average (Min)	18,2 (15,5)	43,9 (36,1)	57,7 (48,6)	65,7 (56,6)
Burst Index	kPa.m ² /g	ISO 2758	Average (Min)	0,7 (0,5)	2,4 (1,9)	3,4 (2,8)	4,0 (3,1)
Tear Index	mN.m ² /g	ISO 1974	Average (Min)	408 (314)	690 (585)	787 (674)	789 (656)
Air permeance	cm ³ /m ² .Pa.s	ISO 5636/3	Average (Min / Max)	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.

CERTIFICATIONS AND EU ECOLABEL INFORMATION

ISO 9001 : 2015

ISO 14001 : 2015

ISO 45001 : 2018

ISO 50001 : 2018

International Forest Certification Systems (Available upon request)

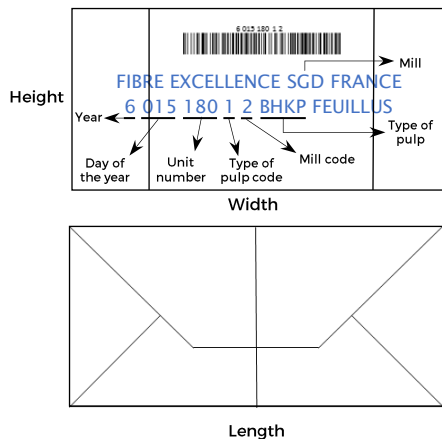
Food contact certification (ISEGA 62629 U 24)

This pulp has been assessed for use in EU Ecolabelled Graphic and Tissue Paper (Commission Decision [EU] 2019/70 of 11 January 2019)

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MARKING DESIGN

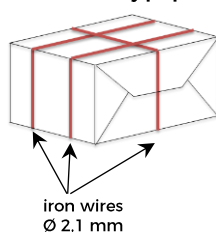
Hardwood pulp → Marking in blue



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

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

