

Fundamental Pulp Properties of Pre and Post O-Delignified *Acacia mangium* kraft pulp

	Parameter	Unit	Pre O ₂	Post O ₂
1	Kappa number		9.6	4.9
2	Viscosity	cP	23.5	12.4
3	HexA	μmol/g	29.6	23.4
4	Total charge	μeq/g	77.1	64.3
5	DCM extractive	%	1.08	0.49
6	Alpha-cellulose	%	35.2	34.4
7	Gamma-cellulose	%	8.3	8.2
8	Beta-cellulose	%	56.4	57.5
9	Dry z-span	kPa	307	290
10	Wet z-span	kPa	269	248
11	Tear Index	mN.m ² /g	6.83	8.09
12	Burst Index	kPa.m ² /g	1.96	2.31
13	Tensile Index	Nm/g	43.7	43.0
14	Brightness	%	41.7	57.9
15	Fines	%	0.66	0.79
16	Fiber length	mm	0.69	0.66
17	Fiber curl		0.072	0.076
18	Kink index	1/mm	1.23	1.37

Metal profile of pre O₂ *Acacia mangium* kraft pulp

Element	Concentration
	mg/kg
K	1,268
Na	14,300
Ca	494
Mg	71.4
Mn	3.5
Cu	1.1
Fe	7.9
Ni	0.5