

## Technical Data Sheet

**Product:** ECF Bleached Eucalyptus Kraft Pulp  
**Brand name:** Arauco EKP  
**Wood species:** Eucalyptus Globulus and Nitens  
**Pulp Mills:** Arauco and Nueva Aldea

Arauco EKP is a bleached Kraft pulp obtained from Eucalyptus managed plantations established in southern Chile, Arauco pulp mills are certified under chain of custody international standards in addition to ISO 9001 and 14001 certified for quality and environmental scopes. The pulp has been supplied to international markets and it is used in a variety of printing and writing papers, as well as tissue and specialty papers. This pulp stand out due to its good mechanical strength.

### Pulp Characteristics

#### Guaranteed values for optical Properties

	Unit	Lower limit	Maximum	Based on
Brightness	(% ISO)	89		ISO 2470
Dirt Count	(mm <sup>2</sup> /kg)		2.0	ISO 5350-2

#### Response to PFI laboratory refining <sup>(1)</sup>

Refining curve:	Unit	Reference Values				Based on
PFI Revolutions	(Rev)	0	500	1500	3000	ISO 5264-2
Freeness	(°SR)	21.1	24.8	30.4	42	ISO 5267-1
Tensile Index	(Nm/g)	32.2	53.8	77.8	90.9	ISO 1924-2
Burst Index	(kPam <sup>2</sup> /g)	1.4	2.8	4.6	6.2	ISO 2758
Tear Index	(mNm <sup>2</sup> /g)	4.3	6.8	8.4	8.0	ISO 1974
Gurley Porosity	(s/100 ml)	1.5	3.6	12.2	64.9	ISO 5636-5
Bulk	(cm <sup>3</sup> /g)	1.87	1.65	1.48	1.34	ISO 534
Opacity	(%)	78.4	75.6	71.9	68.5	ISO 2471

#### Reference values of mechanical properties at 30°SR

	Unit	Min	Average	Max	Based on
Tensile Index	(Nm/g)	57.5	61.2	65.7	ISO 1924-2
Burst Index	(kPam <sup>2</sup> /g)	3.1	3.6	3.9	ISO 2758
Tear Index	(mNm <sup>2</sup> /g)	7.5	8.0	8.5	ISO 1974
Gurley Porosity	(s/100 ml)	3.5	4.5	6.0	ISO 5636-5
Bulk	(cm <sup>3</sup> /g)	1.55	1.57	1.62	ISO 534
Opacity	(%)	73	74	75	ISO 2471

#### Fiber morphology and others characteristics

	Unit	Reference value	Based on
Fiber length	(mm)	0.76	L&W Fiber Tester
Coarseness	(mg/m)	0.078	L&W Fiber Tester
Fiber population	(fiber/mg)	22400	L&W Fiber Tester

(1) Values obtained at pulp Mills Laboratories with normal production samples