

Technical Data Sheet

Product: ECF Bleached Eucalyptus Kraft Pulp
Brand name: Arauco EKP
Wood species: 100% Eucalyptus.
 E. Globulus, E. Dumnii, E. Grandis
 (main species)
Pulp Mill: Montes Del Plata

Arauco EKP is a bleached Kraft pulp obtained from Eucalyptus managed plantations established in Uruguay. Montes del Plata pulp mill is certified under chain of custody international standards in addition to ISEGA laboratory* and is inspected by Nordic Ecolabelling** inspected pulp compliance. 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.

Pulp Characteristics

Guaranteed values for optical Properties

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

Response to PFI laboratory refining ⁽¹⁾

Refining curve:						
	Unit	Reference Values				Based on
PFI Revolutions	(Rev)	0	500	1500	3000	ISO 5264-2
Freeness	(°SR)	24	27	33	44	ISO 5267-1
Tensile Index	(Nm/g)	25.5	42.4	60.7	75.4	ISO 1924-2
Burst Index	(kPam ² /g)	1.3	2.4	3.8	5.2	ISO 2758
Tear Index	(mNm ² /g)	4.1	6.8	8.4	8.8	ISO 1974
Gurley Porosity	(s/100 ml)	2.2	4.1	10.5	41.4	ISO 5636-5
Bulk	(cm ³ /g)	1.74	1.59	1.45	1.34	ISO 534
Opacity	(%)	79.6	77.3	74.8	72.1	ISO 2471

Reference values of mechanical properties at 30°SR

	Unit	Min	Average	Max	Based on
Tensile Index	(Nm/g)	45	50	55	ISO 1924-2
Burst Index	(kPam ² /g)	2.7	3.1	3.5	ISO 2758
Tear Index	(mNm ² /g)	6.5	7.5	8.5	ISO 1974
Gurley Porosity	(s/100 ml)	5.9	6.7	7.6	ISO 5636-5
Bulk	(cm ³ /g)	1.40	1.47	1.54	ISO 534
Opacity	(%)	753	76.5	78	ISO 2471

Fiber morphology and others characteristics

	Unit	Reference value	Based on
Fiber length	(mm)	0.76	L&W Fiber Tester
Coarseness	(mg/m)	0.064	L&W Fiber Tester
Fiber population	(fiber/mg)	23100	L&W Fiber Tester

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

*In compliance with German BfR recommendation XXXVI for direct contact with dry and fatty foodstuff and US FDA 21 CFR Ch. I § 176.170 regulations for the used raw material and substances

**According to paper Products - Basis module version 2 of the Nordic Swan Ecolabel