

Technical Data Sheet

Product: ECF Bleached Eucalyptus Kraft Pulp
Brand name: Arauco EKP
Wood species: Eucalyptus Globulus and Nitens
Pulp Mill: Valdivia

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 it good mechanical strength.

Pulp Characteristics

Optical Properties						
	Unit	Minimum	Maximum	Based on		
Brightness	(% ISO)	89		ISO 2470		
Dirt Count	(mm ² /kg)		2	ISO 5350-2		

Response to PFI laboratory refining ⁽¹⁾						
Refining curve:		Unit	Reference Values			Based on
PFI Revolutions	(Rev)	0	500	1500	3000	ISO 5263-2
Freeness	(°SR)	21.8	25.1	28.4	34.3	ISO 5267-1
Tensile Index	(Nm/g)	24.2	42.3	62.5	80.0	ISO 1924-2
Burst Index	(kPam ² /g)	1.0	2.1	3.6	5.1	ISO 2758
Tear Index	(mNm ² /g)	3.9	6.7	8.6	9.3	ISO 1974
Gurley Porosity	(s/100 ml)	2.4	3.9	8.9	12.8	ISO 5636-5
Bulk	(cm ³ /g)	1.87	1.71	1.56	1.44	ISO 534
Opacity	(%)	79.0	77.0	74.5	72.1	ISO 2471

Mechanical properties at 30°SR						
	Unit	Min	Average	Max	Based on	
Tensile Index	(Nm/g)	67.4	70.7	73.7	ISO 1924-2	
Burst Index	(kPam ² /g)	4.1	4.3	4.5	ISO 2758	
Tear Index	(mNm ² /g)	8.7	9.1	9.4	ISO 1974	
Gurley Porosity	(s/100 ml)	9.1	10.4	11.7	ISO 5636-5	
Bulk	(cm ³ /g)	1.36	1.39	1.43	ISO 534	
Opacity	(%)	73.1	73.6	74.2	ISO 2471	

Fiber morphology and others characteristics			
	Unit	Reference value	Based on
Fiber length	(mm)	0.78	L&W Fiber Tester
Coarseness	(mg/m)	0.064	L&W Fiber Tester
Fiber population	(fiber/mg)	27200	L&W Fiber Tester

(1) Values obtained at Valdivia mill laboratory with normal production samples