

Technical Data Sheet

Product: ECF Bleached Softwood Kraft Pulp
Brand name: Arauco BKP
Wood specie: Pinus Radiata D. Don
Pulp Mills: Arauco and Nueva Aldea

Arauco BKP is bleached softwood Kraft pulp made from 100% Radiata Pine 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. Used for a variety of printing and writing papers, both coated and uncoated, tissue paper, high quality cardboard and wrapping paper and other industrial papers due to its high strength and good quality.

Pulp Characteristics

Optical Properties				
	Unit	Lower limit	Maximum	Based on
Brightness	(% ISO)	89		ISO 2470
Dirt Count	(mm ² /kg)		2.5	ISO 5350-2

Response to PFI laboratory refining ⁽¹⁾								
Refining curve:	Unit	Reference Values						Based on
PFI Revolutions	(Rev)	0	500	1500	3000	6000	9600	ISO 5264-2
Freeness	(°SR)	12	13	14	16	25	48	ISO 5267-1
Tensile Index	(Nm/g)	22.4	41.8	64.6	80.5	91	96.7	ISO 1924-3
Burst Index	(kPam ² /g)	1.1	2.4	4.2	5.5	6.5	7.2	ISO 2758
Tear Index	(mNm ² /g)	14.2	20.9	13.9	10.5	9.0	8.4	ISO 1974
Gurley Porosity	(s/100 ml)	1.1	1.9	3.0	5.7	23.0	137.6	ISO 5636-5
Bulk	(cm ³ /g)	1.99	1.71	1.51	1.41	1.34	1.28	ISO 534
Opacity	(%)	72.2	69.2	64.5	61.1	57.2	54.5	ISO 2471

Mechanical properties at 25°SR					
	Unit	Min	Average	Max	Based on
Tensile Index	(Nm/g)	87.0	91.0	95.0	ISO 1924-3
Burst Index	(kPam ² /g)	6.2	6.5	6.8	ISO 2758
Tear Index	(mNm ² /g)	8.6	9.0	9.4	ISO 1974

Fiber morphology and others characteristics			
	Unit	Reference value	Based on
Fiber length	(mm)	2.3	L&W Fiber Tester or FQA
Coarseness	(mg/m)	0.220	L&W Fiber Tester or FQA
Fiber population	(fiber/mg)	2900	L&W Fiber Tester or FQA

(1) Values obtained at pulp mills laboratories with normal production samples