

Technical Data Sheet

Product: Unbleached Softwood Kraft Pulp
Brand name: Celco PG
Wood specie: Pinus Radiata D. Don
Pulp Mills: Licancel and Constitución

Celco unbleached softwood Kraft pulp obtained from Radiata Pine 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. Considered as a premium fiber for packaging, paper and containerboard applications due to high luminosity, cleanness and strength properties.

Pulp Characteristics

Guaranteed values for optical Properties

	Unit	Average	Std. Dev*	Based on
Luminosity ("L" Hunter)	(%)	>63,5		ISO 2469
Dirt Count	(mm ² /m ²)	80	10	T 213 om-85

Response to PFI laboratory refining ⁽¹⁾

	Unit	Reference Values			Based on	
FI Revolutions	(rev)	0	5000	7000	9000	T248 sp-08
Freeness	(°SR)	12	20	30	45	T227 om-09
Breaking Length	(Km)	3,5	10	10,5	11	T494 om-13
Burst Factor	(f)	15	76	79	85	T403 om-10
Tear Factor	(f)	205	130	113	110	T414 om-12

Reference values of mechanical properties at 30°SR

	Unit	Average	Std. Dev*	Based on
Breaking Length	(km)	10,5	0,2	T494 om-13
Burst Factor	(f)	79	2	T403 om-10
Tear Factor	(f)	113	4	T414 om-12
TEA	(Kj/Kg)	2,35	0,1	T494 om-13

(1) Typical values obtained at mill's laboratories with normal production samples.
 Hand sheet forming based on T 205 sp-12, Physical properties calculation based on 60 g/m²

Fiber morphology

	Unit	Average	Std. Dev*	Based on
L.Weighted	(mm)	2,45	0,05	L&W fiber tester 912
Coarseness	(dg/m)	23.8	1.0	L&W fiber tester 912

Lignin content

	Unit	Typical value	Based on
Kappa Number	(N°)	37	ISO:302-2004

*Three Std. Dev are considered