

Eucalyptus Nitens Specifications

E.Nitens wood properties from Australian grown certified plantation wood



WOOD QUALITY TECHNICAL DATA

Instrument	Chip Size	Specification	Typical Results
(Kason Instrument)	+28.6	<5%	3%
	-22.2 mm and + 9.5mm	>55.0%	66%
	-28.6 mm and +4.8 mm	>92.0%	96%
	-4.8 mm		0.9%
	Bark	<0.5%	0.1%
Chip Size	Rot	<0.5%	0.0%
(Chip Class Instrument)	+45.0 mm	<2.0%	1%
	+8.0 mm Slots - Thickness	<10.0%	8%
	+13.0 mm to 7.0 mm	>82.0%	86%
	+3.0 mm	≤6.0%	5%
	-3.0 mm	≤2.0%	0.9%
	Bark	<0.5%	0.1%
	Rot	<0.5%	0.0%
WOOD DRY MATTER CONTENT		Average 50.42%	
WOOD BASIC DENSITY		454 to 520 kg/m ³	
PULP YIELD		53.4 to 56.5%	
PULPING CHEMICAL DEMAND		15.4 to 17.2% NaOH on o.d. Wood	

Kajaani FS300

Valmet FS5(ISO)

Typical Fibre Properties

Fibre Length – Lc(l)	0.80 to 0.92mm	0.76 to 0.84mm
Fibre Coarseness	5.2 to 7.6 mg/100m	5.3 to 5.8mg/100m
Fibre / gram of pulp	14.5 to 23.45million	22.0 to 245 million
Fibre Width		17.2 to 17.8 μm

Typical Paper Properties (interpolated at 250 Freeness)

Property (Oven-Dried)	Units	Typical Results (Range)
Freeness Interpolation	ml	250
Beating Time	revs/g	135 to 205
Bulk	cm ³ /g	1.27 to 1.38
Burst Index	kPam ² /g	8.6 to 10.3
Tear Index	mNm ² /g	9.1 to 10.7
Tensile Index	N.m/g	117 to 131
Stretch	%	3.7 to 44
Zero Span Tensile Index	N.m/g	140 to 174
Scattering Coefficient	m ² /kg	19 to 24
Sheffield Air Permeance	Units	20 to 60