

# Canfor Semibleached Northern Softwood Kraft Pulp

## ECF 72 Typical Properties



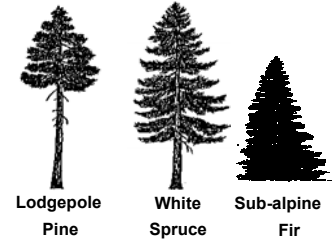
The Prince George Pulp and Paper Mill in Prince George produces semibleached softwood kraft pulp which is a mixture of softwood species indigenous to the north central interior of British Columbia. The highly versatile fibre properties of this pulp make it suitable for use in the manufacturing of a wide variety of products, especially those requiring the highest tensile strength.

### Inherent Pulp Properties

Brightness(% ISO)	71.0 to 75.9
Dirt Levels (mm <sup>2</sup> /kg/ppm)	typically less than 4 mm <sup>2</sup> /kg or 3 ppm
Viscosity (mPa.s)	24.0

### Typical Species Analysis

Lodgepole Pine	50
Engelman/White Spruce	40
Sub-alpine Fir	6
Other	4



### Fibre Properties (Kajaani FS 200)

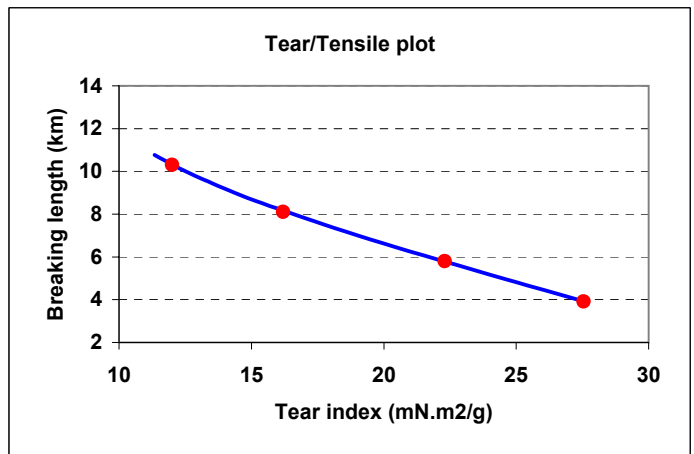
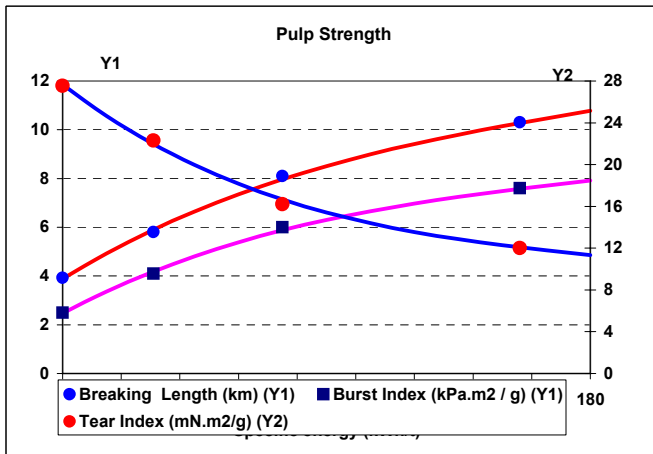
Length Weighted Length (mm)	2.8
Coarseness (mg/m)	0.191

### Bale characteristics

Length (cm)	83
Width (cm)	84
Height (cm)	34
Weight (kg)	230

### Typical Response to Refining on a 12 Inch Sprout Bauer Disc Refiner

Specific Energy (kW*hr/tonne)	Freeness CSF (mls)	°SR (°)	Breaking length (km)	Tear index (mN.m <sup>2</sup> /g)	Burst index (kPa.m <sup>2</sup> /g)	Density (g/cm <sup>3</sup> )
0	672		3.9	27.6	2.5	0.56
31	600	21	5.8	22.3	4.1	0.59
75	500	25	8.1	16.2	6.0	0.63
156	300	40	10.3	12.0	7.6	0.68



### Interpolations

Tear Index (mN.m <sup>2</sup> /g)	@5 km	@7 km	@10 km
	24.5	19	12.5

### Typical Response to refining on a PFI Mill

Freeness CSF (mls)	°SR (°)	Breaking length (km)	Tear index (mN.m <sup>2</sup> /g)	Burst index (kPa.m <sup>2</sup> /g)	Bulk (cm <sup>3</sup> /g)
701	16	4.2	25.8	2.6	1.76
600	21	10.2	11.3	7.8	1.44
500	25	11.4	10.1	8.8	1.39
300	40	11.8	9.5	9.4	1.36

The pulp and fibre properties listed here are based on long term averages. Results on individual samples may vary from the values listed above. Pulp Evaluations are done using a 12 inch Sprout Bauer Refiner. Handsheets are prepared and tested based on PAPTAC/TAPPI/ISO procedures and are conditioned at 50% Relative Humidity & 23 C.