

Canfor Pulp Limited Partnership
 Unbleached Northern Softwood Kraft Pulp
 Electrical Grade (UBE) Typical Properties



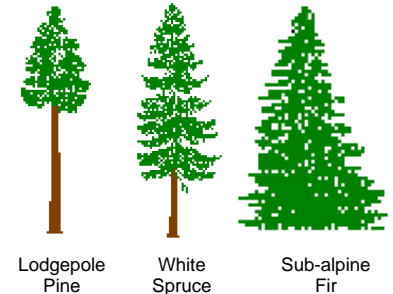
The Prince George Pulp and Paper Mill in Prince George produces an electrical grade unbleached softwood kraft pulp which is a mixture of softwood species indigenous to the north central interior of British Columbia. The highly versatile fibre properties of this UBE make it suitable for use in the manufacturing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

Inherent Pulp Properties

Brightness (%ISO)	30% (delivered)
Shive Levels (#/g)	30 max
Viscosity (mPa.s)	30.0
Kappa Number	30
Extract pH	7.2
Conductivity (µS/cm)	10
Ash (%)	0.4

Typical Species Analysis

Lodgepole Pine	60
White Spruce	30
Sup-alpine Fir	10



Fibre Properties (Kajaani FS 200)

Length Weighted Length (mm)	2.4
Coarseness (mg/m)	0.191

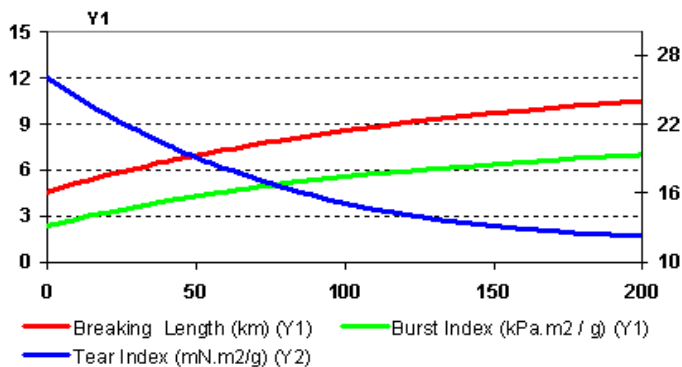
Bale Characteristics

Length (cm)	83
Width (cm)	84
Height (cm)	38
Weight (kg)	250

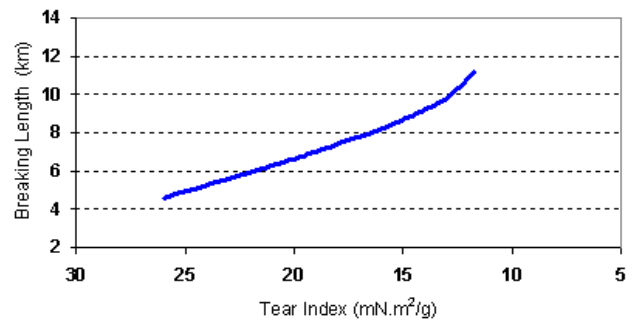
Typical Response To Refining On A 12 Inch Sprout Bauer Disc Refiner

Specific Energy (kW*hr/tonne)	Freeness CSF (mls)	°SR (°)	Breaking Length (km)	Tear Index (mN.m ² /g)	Burst Index (kPa.m ² /g)	Density (g/cm ³)
0	705	16	4.6	26.0	2.4	0.53
101	600	21	8.6	15.0	5.6	0.61
177	500	25	10.2	12.7	6.7	0.64
319	300	40	12.0	10.7	8.4	0.68

Pulp Strength



Tear/Tensile Plot



Interpolations	@ 5 km	@ 7 km	@ 10 km
Tear Index (mN.m ² /g)	24.4	18.9	12.7

Typical Response to Refining on a PFI Mill

Freeness CSF (mls)	°SR (°)	Breaking Length (km)	Tear Index (MN.m ² /g)	Burst Index (kPa.m ² /g)	Bulk (cm ³ /g)
705	16	4.5	23.7	2.5	1.75
600	21	10.2	13.2	7.4	1.47
500	25	11.4	12.4	8.5	1.43
300	40	11.9	10.0	9.0	1.39

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 at 23°C.