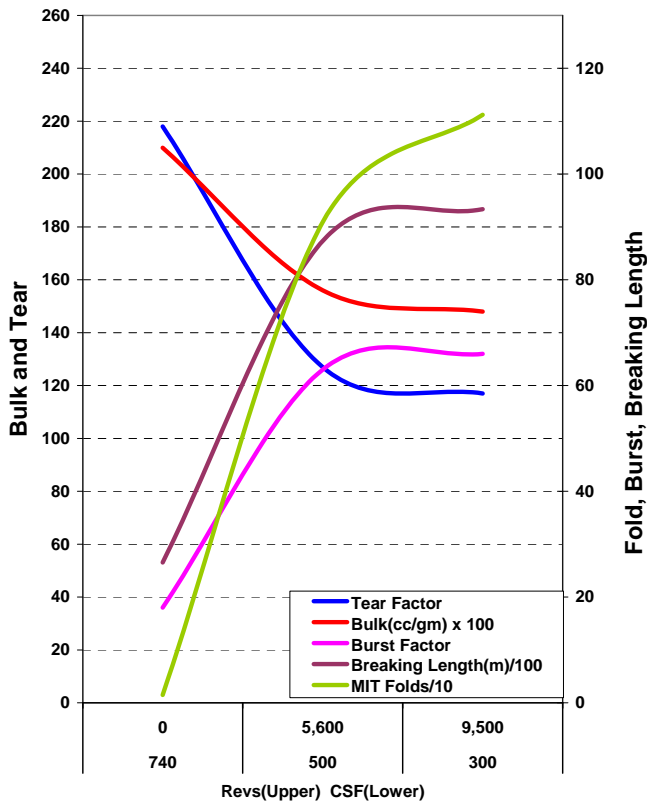




Alabama River Cellulose

Southern Softwood Kraft Pulp

Typical PFI Beater Evaluation



Alabama River Cellulose Softwood pulp is known for its strength, high brightness, cleanliness and consistency. It is well suited for many applications, ranging from fine paper to tissue and towel grades. The southern softwood has long fibers allowing development of excellent tear strength and tensile strength characteristics in the customer's finished product. It maintains high bulk and good drainage as it is refined. These attributes allow for good runnability and control for papermakers. The fiber also provides good absorbency characteristics, beneficial in absorbent product applications. Alabama River Softwood is 100% ECF bleached and is produced with wood procured through the Sustainable Forestry Initiative (SFI) certified process.

Pulp Characteristics

Brightness, ISO	89
Dirt Count, ppm	3.0 maximum
Opacity @ Initial Freeness	72 typical
Viscosity, cp, 0.5 M CED	16.9 average
Target Bale Dimensions	35"L x 30"W x x16"H

Physical Properties*

Canadian Standard Freeness	740	500	300
PFI Revolutions	0	5,600	9,500
Burst Factor	18	63	66
Tear Factor	218	127	117
Breaking Length(m)/100	27	87	93
MIT Folds/10	1.5	90.9	111
Bulk(cc/gm) x 100	210	156	148

Typical results - Long-term values, not intended to represent minimum or maximum specifications. All physical tests based on TAPPI methods.

