

Pulping and ECF Bleaching of Whole Jute for Higher Brightness

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ABSTRACT

Whole jute, also known as *Corchorus Capsularies*, is grown in many parts of the world particularly in eastern and central India, Bangladesh and south Asian countries. Due to its long fibre length, paper of considerably high tear and tensile strength could be made out of it. In this study whole jute was subjected to soda / soda-Anthraquinone pulping process. After oxygen delignification, various ECF bleaching sequences have been investigated. Conventional CEHH bleaching was also carried out for comparison. The results of bleaching were then compared and the sequence giving higher brightness and strength properties along with COD value was suggested.

Keywords: Whole Jute, Soda-AQ pulping, ECF bleaching