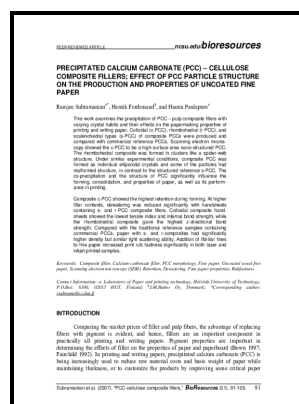


Retention of fillers by papermaking fibers

Institute of Paper Chemistry - Cpm



Description: -
-Retention of fillers by papermaking fibers

Institute of Paper Chemistry bibliographic series -- no. 186 Retention of fillers by papermaking fibers

Notes: Supplement to work of the same title by Lillian Roth, Glen SAeger and Jack Weiner (2nd ed., 1959).

This edition was published in 1965



Filesize: 39.48 MB

Tags: #Fillers #for #papermaking: #A #review #of #their #properties, #usage #practices, #and #their #mechanistic #role #: #BioResources

Review: Filler and Fines Retention in Papermaking :: BioResources

Sohara and Westwood 1997 showed that ash from a boiler fed with waste sludge could be used as a source of calcium for the production of PCC; however the resulting product was not as bright as regular PCC.

[PDF] MODIFICATION OF PAPERMAKING GRADE FILLERS: A BRIEF REVIEW

Flocculation Efficiency of Chitosan for Papermaking Applications. This is done for majority of paper used today. ALTERNATIVE FILLER INCREASE APPROACHES The paper industry and its suppliers have been very innovative in field of filler increase.

Common Additives

The handsheets were made without whitewater recirculation. In the distant past, little to no filler has been used in such paper grades as newsprint and bleached paperboard, but that situation has been changing Burke 1993; Ain and Laleg 1997. Only when the stirring speed goes down from 1000 rpm to 250 rpm does the system reflocculate slightly.

Paper chemicals

A further economic advantage of the satellite concept can be gained by using smokestack exhaust as a source of the CO₂ gas used in subsequent steps in the synthesis process. However Krogerus 1999 showed that starch could be used as a filler.

[PDF] MODIFICATION OF PAPERMAKING GRADE FILLERS: A BRIEF REVIEW

Sha and Chen 2014 considered an alternative approach to achieving flame retardant effects using a phosphate treatment of diatomite silica particles for use as paper fillers. Bleaching chemicals — Sodium dithionite, Ozone, chlorine dioxide and Hydrogen peroxide.

Substituting pulp for filler is increasingly attractive for papermakers

The approaches taken are very diverse. Full Article Fillers for Papermaking: A Review of their Properties, Usage Practices, and their Mechanistic

Role Martin A. Under normal conditions of preparation, starch products are either added to the papermaking process in soluble form or, if added in granular form, the starch tends to cook when the paper is dried, contributing to the strength of paper.

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