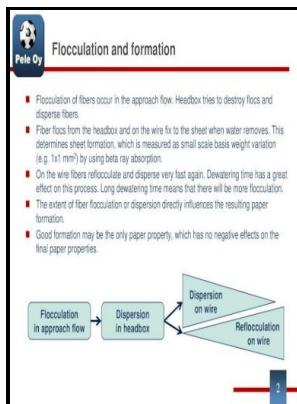


Retention of fillers by papermaking fibers

Institute of Paper Chemistry - Common Additives



Description: -

-Retention of fillers by papermaking fibers

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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



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Paper Filler

Addition of CaO particles then yields calcium silicate. The general topic of organic fillers for papermaking has been reviewed by Shen et al.

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

Chalk Another major class of calcium carbonate filler comes from chalk, a natural deposit formed from the shells of microscopic marine organisms coccoliths laid down 30 to 70 million years ago Dunlop-Jones and Jaycock 1981. Conditions of precipitation of these products allow considerable control over particle morphology. Hence in order to reduce the paper production cost the demand for the has been increased.

Potential of Papermaking Fibers

The term calcination comes from the fact that the equipment used for this heating process is the same as what is used to convert calcium carbonate mineral to calcium oxide — a process that will be mentioned again in a later discussion of precipitated calcium carbonate filler. For Japanese nagashizuki papermaking, an essential additive is neri, which is used to slow drainage through the screen.

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

In the cited work the pore size was systematically varied by optional addition of TMP fines, microcrystalline cellulose, and microfibrillated cellulose. Storage: This product should be stored in the drying room. Caustic soda — Used to increase pH State of the pulping mix.

Related Books

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