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Applications of Wet-End Paper Chemistry

2nd Edition

 Springer

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excellent texts on the chemistry of cellulose and apart from one chapter on the accessibility of cellulose the subject is not addressed here Neither does the book deal with the chemistry of pulp preparation from wood from other plant sources or from recycled fibres for there are also many excellent texts on this subject The first edition of this book was a great success and soon became established as one of the Bibles of the industry Its achievement then was to collect the considerable advances in understanding which had been made in the chemistry of papermaking in previous years and provide for the first time a sound physico chemical basis of the subject This new edition has been thoroughly updated with much new material added The formation of paper is a continuous filtration process in which cellulosic fibres are formed into a network which is then pressed and dried The important chemistry involved in this process is firstly the retention of colloidal material during filtration and secondly the modification of fibre and sheet properties so as to widen the scope for the use of paper and board products

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