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Chemical Testing Of Textiles

Michael Seilmaier



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Chemical Testing of Textiles Q Fan,2005-09-28 Chemical Testing of Textiles is a comprehensive book aimed at giving a full overview of chemical testing for both academics and industry It provides an extensive coverage of the chemical analysis procedures for a broad range of textiles It introduces fundamental chemical concepts and rudimentary procedures and tries to balance the theoretical and practical parts of the contents In most cases the chemical analysis is undertaken with a test method regulated and updated by a professional organization It serves as a great accompaniment to Physical testing of textiles It has been compiled with the hard work of a team of contributors including professors material researchers and textile analysts from Canada Britain Germany and the United States of America The opening chapter deals with fibre and yarn identification and is followed by nine separate chapters discussing different chemical analyses with regard to textiles These include leather feather down textile wet processes fibre finishes coatings performance related tests wastewater and dyes and pigments This book is a valuable resource for academic and industrial chemists lecturers and students of textile chemistry and related subjects It will also serve as a practical guide for textile plant managers process engineers

technologists qualified practitioners textile research and testing institutes quality inspectors chemist colourists and textile designers A comprehensive overview of the chemical testing of textiles for both academia and industry Provides extensive coverage of the chemical analysis procedures for a broad range of textiles Compiled by a worldwide team of renowned experts

Fabric Testing Jinlian Hu,2008-09-09 The textile industry is becoming an increasingly competitive environment Differentiating products by quality is particularly important Testing can be performed both to improve product quality and achieve compliance to international regional or retailer specific standards Fabric testing provides a comprehensive review of the tests available for fabrics The book begins with introductory chapters which discuss the scope importance and statistical analysis of fabric testing The book then reviews various types of fabric tests such as fabric composition testing physical and mechanical tests fabric chemical testing how to test appearance permeability comfort and flammability as well as dyeing and colouring tests and key issues in testing textile samples With its distinguished editor and international team of contributors Fabric testing is a valuable resource for designers technologists quality inspectors and testing institutes in the textile industry It is also relevant for academics and students within the textile field Reviews various types of fabric tests including fabric composition and fabric chemical testing Discusses the scope significance and statistical analysis of fabric testing Assesses the importance of fabric testing to both product quality and industry standard compliance

Chemical Testing of Textiles David M. Hall,1981

Advanced Characterization and Testing of Textiles Patricia I. Dolez,Olivier Vermeersch,Valério Izquierdo,2017-09-19 Advanced Characterization and Testing of Textiles explores developments in physical and chemical testing and specific high performance tests relating to textiles The book introduces the principles of advanced characterization and testing including the importance of performance based specifications in the textiles industry

Chapters are organized by textile properties providing in depth coverage of each characteristic Tests for specific applications are addressed with the main focus on high performance and technical textiles Focuses on advanced testing methods for technical and high performance textiles covering state of the art technology in its field Details specific textile properties and associated testing for each characteristic **Microscopic and Chemical Testing of Textiles** Paul-August Koch,1963

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