

Functional Textiles For Improved Performance Protection And Health Woodhead Publishing Series In Textiles

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Functional Textiles For Improved Performance

Part I: Functional textiles and clothing for improved performance and protection 1 - Improved textile functionality through surface modifications. Pages 3 - 26 This chapter discusses some important... 2 - Antistatic and conductive textiles. The generation of static charges on the surface of textiles ...

Functional Textiles for Improved Performance, Protection ...

With its distinguished editors and contributions from some of the world's leading authorities, Functional textiles for improved performance, protection and health is invaluable for textile scientists, technologists and engineers as well as those designing and manufacturing textiles. It is also a suitable reference for the academic sector.

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Functional Textiles for Improved Performance, Protection ...

Part I Functional textiles and clothing for improved performance and protection 1 1 Improved textile functionality through surface modifi cations 3 R. MORENT and N. DE GEYTER, Ghent University, Belgium 1.1 Introduction 3 1.2 Types of surface modification 4 1.3 Physical and chemical characterization of surface modifications 8

Functional Textiles for Improved Performance, Protection ...

Functional Textiles for Improved Performance, Protection and Health Table of Contents. The textile industry is increasingly based on ongoing innovation and development of higher... Key Features. Readership. Textile scientists, technologists and engineers as well as those designing and manufacturing ...

Functional Textiles for Improved Performance, Protection ...

The textile industry is increasingly based on ongoing innovation and development of higher performance products, and the field of functional textiles is no exception. This book explores the development of textiles with a wide range of functions, with the aim of improving the performance of the product in terms of the protection and health benefits that it can offer.

Functional Textiles for Improved Performance, Protection ...

With its distinguished editors and contributions from some of the world's leading authorities, Functional textiles for improved performance, protection and health is invaluable for textile...

Functional Textiles for Improved Performance, Protection ...

We also see improved performance in outdoor textiles, not least in response to the rise in extreme climatic conditions. In collaboration with the Karlsruhe Institute of Technology, the textile weaving and spinning experts Ettlin recently developed a patented weave for sun shades, sails and marquees, which is both breathable and water-resistant.

Improved performance and functionality

Functional textiles are one of the most important fields in textile industry and textile materials science. They include breathable, heat and cold-resistant materials, ultra-strong fabrics (e.g ...

(PDF) Functional Textiles - From Research and Development ...

The functional fibers are woven to obtain functional textiles. The other is to modify ordinary textiles with functional group. The physical finishing process includes three methods: impregnation, padding, and coating, and its main drawback is that the bonding force is weak between the finishing agent and textiles. However, its strength is more durable, and functionality can be maintained for a long time.

Functional Textile - an overview | ScienceDirect Topics

With its distinguished editors and contributions from some of the world's leading authorities, Functional textiles for improved performance, protection and health is invaluable for textile scientists, technologists and engineers as well as those designing and manufacturing textiles. It is also a suitable reference for the academic sector.

Functional Textiles for Improved Performance, Protection ...

The textile industry is increasingly based on ongoing innovation and development of higher performance products. This book explores the opportunities available to produce textiles with different. functions that improve the performance, protection and medical aspects of the product.

Functional textiles for improved performance, protection ...

Functional textiles for improved performance, protection and health is split into 2 parts. Part 1 focuses on functional textiles for improved performance and protection, with chapters reviewing antistatic, flame retardant and infrared functional textiles, among many others.

Functional Textiles for Improved Performance, Protection ...

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Functional Textiles for Improved Performance, Protection ...

The basic and mostly used fibers in the functional textiles are viscose (rayon) and polyester fibers. Besides this, the demand for such functional textiles is majorly for the active and performance type of wear. he aerothermal technology, which protects from extreme hot and cold condition is growing in functional textiles.

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