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Textiles For

Introduction 3 1.2

Types of surface

modification 4 1.3

Physical and chemical

characterization of

surface modifications 8

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Table of Contents. The

textile industry is

increasingly based on

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Textiles For
ongoing innovation and
development of
higher... Key Features.
Readership. Textile
scientists,
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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.

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Improved performance and functionality

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

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weak between the finishing agent and textiles.

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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

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performance,
protection and medical
aspects of the product.

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one of the most
important fields in
textile industry and
textile materials
science. They include
breathable, heat and
cold-resistant
materials, ultra-strong

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graphene-based
wearable e-textiles are

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The results also showed that the film with 0.4 wt% MWCNT loading had a high 62.4 dB EMSE in the 1800

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