

Textiles for Industrial Applications

An evolution is currently underway in the textile industry and Textile for Industrial Applications is the guidebook for its growth. This industry can be classified into three categories—clothing, home textile, and industrial textile. Industrial textiles, also known as technical textiles, are a part of the industry that is thriving and showing great promise. Unlike conventional textiles traditionally used for clothing or furnishing by consumers, industrial textiles are used for manufacturing and functionality purposes, and generally by other industries. This book provides an encyclopedic review of industrial textiles, covering all of the latest trends in the development and application of these textiles with advice and suggestions on how to apply them in other industries. - Discusses the latest technologies adopted in the industrial textile industry including nano finishing and plasma applications - Covers the basic fundamentals about product characteristics and production techniques - Caters to students and faculty involved in textile technology, composite technology, and other interdisciplinary courses as it relates to product engineering and product development Textiles for Industrial Applications details the market potential and growth of industrial textiles and explains the steps involved in the product development of industrial textiles. It discusses property requirement, the basic textile manufacturing process, manufacturing techniques and fibers used, as well as application methods. The book highlights recent developments in terms of raw material usage, manufacturing technology, and value-added finishes in this sector. A separate chapter focuses on the testing procedures of various industrial textiles.

This book provides an encyclopedic review of industrial textiles, covering the latest trends in the development and application of these textiles with advice and suggestions on how to apply these textiles in other trade sectors. This book provides a broad overview of the product in terms of property requirement, fibers used, and manufacturing techniques, finishing, and testing. It outlines the various aspects of industrial textile product development such as raw material, properties, manufacturing techniques, testing, and various factors influencing the product performance and life.



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