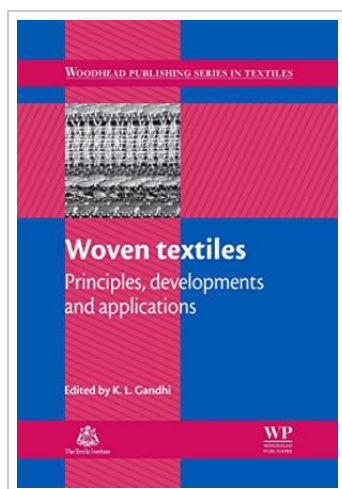




Woven Textiles: Principles, Technologies and Applications (Hardback)

By -

ELSEVIER SCIENCE TECHNOLOGY, United Kingdom, 2012. Hardback. Condition: New. New. Language: English . Brand New Book. Traditionally used in apparel and interior fabrics, woven textiles are increasingly being employed in a variety of technical applications. Woven textiles: Principles, developments and applications provides an essential overview of the manufacture, structure and application of these important textiles. Beginning with an introduction to the fibres and yarns used in weaving, part one goes on to explore key preparatory techniques and the fundamentals of weaving technology. The characteristics of woven structures are then discussed in greater depth in part two, alongside investigation into the use of computer assisted design (CAD) systems, techniques for modelling the structure of woven fabrics, and methods for the manufacture of 3D woven structures. Part three focuses of the application of woven textiles to a wide range of technologies. The use of woven textiles in automotive interiors and other transport applications is discussed, along with woven apparel fabrics, geotextiles, hollow woven fabrics and woven textiles for medical applications. With its distinguished editor and international team of expert contributors, Woven textiles: Principles, developments and applications is an indispensable guide for all designers, engineers and technicians involved in the design, manufacture and use of...



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