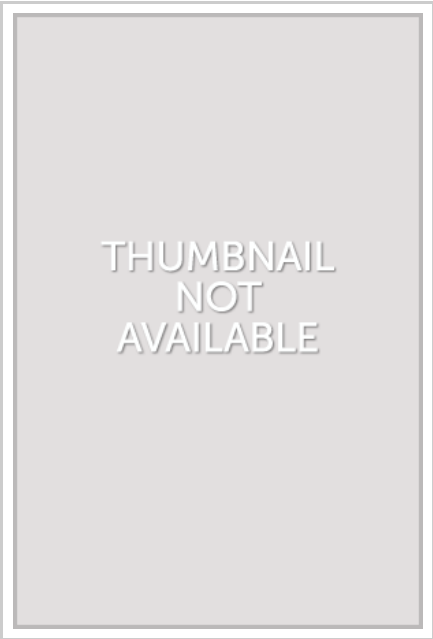


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Fiber-Reinforced Composites: Materials, Manufacturing, and Design, 3rd Edition

By By P.K. Mallick

Wiley India, New Delhi, 2014. Soft cover. Book Condition: New. 640pp. The newly expanded and revised edition of Fiber-Reinforced Composites: Materials, Manufacturing, and Design presents the most up-to-date resource available on state-of-the-art composite materials. This book is unique in that it not only offers a current analysis of mechanics and properties, but also examines the latest advances in test methods, applications, manufacturing processes, and design aspects involving composites. This third edition presents thorough coverage of newly developed materials including nanocomposites. It also adds more emphasis on underlying theories, practical methods, and problem-solving skills employed in real-world applications of composite materials. Each chapter contains new examples drawn from diverse applications and additional problems to reinforce the practical relevance of key concepts. New in The Third Edition: Contains new sections on material substitution, cost analysis, nano- and natural fibers, fiber architecture, and carbon-carbon composites Provides a new chapter on polymer-based nanocomposites Adds new sections on test methods such as fiber bundle tests and interlaminar fracture measurements Expands sections on manufacturing fundamentals, thermoplastics matrix composites, and resin transfer molding Maintaining the trademark quality of its well-respected and authoritative predecessors, Fiber-Reinforced Composites: Materials, Manufacturing, and Design, Third Edition continues to provide a unique interdisciplinary...

Reviews

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