

Composites and Nanocomposites (Hardback)

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Reviews

Definitely one of the better publication I have got possibly read. It really is writter in basic phrases and not difficult to understand. You wont sense monotony at anytime of your respective time (that's what catalogs are for about if you request me). (Darion Lowe)

COMPOSITES AND NANOCOMPOSITES (HARDBACK)



Apple Academic Press Inc., Canada, 2013. Hardback. Condition: New. New.. Language: English . This book usually ship within 10-15 business days and we will endeavor to dispatch orders quicker than this where possible. Brand New Book. This new book provides a solid understanding of the recent developments in the field of composites and nanocomposites. It explains the significance of the new fillers, such as graphene and arbon nanotubes in different matrix systems. The application of these materials in biological and others fields also makes this book unique. This detailed study of nanocomposites, their structure, processing and characterization will be of value in all walks of engineering life. The book covers the following topics: * polymer matrix composites * ceramic matrix composites * carbon matrix composites * wood-based composites * biocomposites * ecocomposites * nanocomposites * processing * properties * fracture and damage mechanics * durability * and more Composite materials are solids that contain two or more distinct constituent materials or phases, on a scale larger than the atomic. The term composite is usually reserved for those materials in which the distinct phases are separated on a scale larger than the atomic, and in which properties such as the elastic modulus are significantly altered in comparison with those of a homogeneous material. Composites have properties that cannot be achieved by either of the constituent materials alone. Composites are becoming more and more important as they can help improve our quality of life. Composites are put into service in flight vehicles, automobiles, boats, pipelines, buildings, roads, bridges, and dozens of other products. Researchers are finding ways to improve other qualities of composites so they may be strong, lightweight, long-lived, and inexpensive to produce. The science and engineering of composites and nanocomposites draws on traditional characterization and processing technologies. Research describing structures...

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