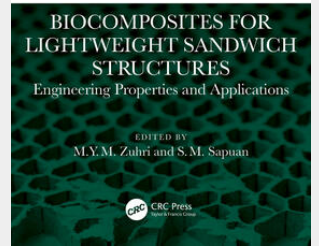
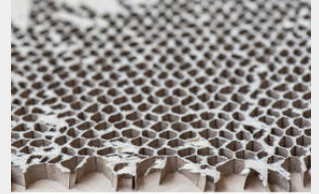


Biocomposites for Lightweight Sandwich Structures

Engineering Properties and Applications

Biocomposites for Lightweight Sandwich Structures: Engineering Properties and Applications highlights how the relationship between biocomposites and sandwich structures can provide a unique combination of superior properties that can be optimized for environmentally friendly lightweight applications. It introduces current performance of biocomposites, sandwich structure applications, machining and manufacturing methods, energy-absorbing capabilities, and strengthening techniques of structures, as well as potential, challenges, and future perspectives on performance improvement. - Provides latest research on biocomposites and use in lightweight engineering applications. - Explores the suitability of core designs using biocomposites and related environmentally friendly materials. - Includes recent manufacturing technologies and important performance criteria of sustainable materials for lightweight structures. - Discusses existing commercial materials and those that are currently under research and development. This comprehensive reference will be of interest to materials, mechanical, and aerospace engineers and those working in related fields interested in development of materials for lightweight designs.



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