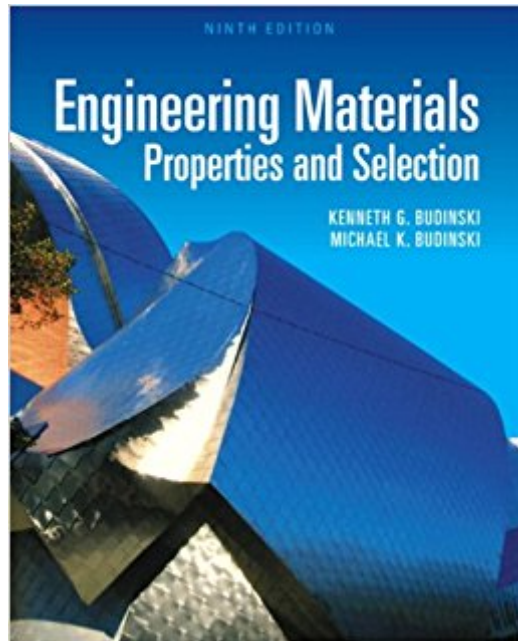




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Engineering Materials: Properties And Selection (9th Edition)



Synopsis

The father-son authoring duo of Kenneth G. Budinski and Michael K. Budinski brings nearly 70 years of combined industry experience to bear in this practical, reader-friendly introduction to engineering materials. This text covers theory and industry-standard selection practices, providing students with the working knowledge to make an informed selection of materials for engineering applications and to correctly specify materials on drawings and purchasing documents. Encompassing all significant material systems—metals, ceramics, plastics, and composites—this text incorporates the most up-to-date information on material usage and availability, addresses the increasingly global nature of the field, and reflects the suggestions of numerous adopters of previous editions. For undergraduate courses in Metallurgy and Materials Science

Book Information

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Customer Reviews

Covering all important classes of materials and manufacturing processes, Engineering Materials 9e teaches students why materials fail, and how to select materials which will not. Drawing on the authors 66 years of combined author experience, this book teaches students how to build a repertoire of materials suitable for most engineering applications, and how to properly specify the materials on engineering drawings. Changes to this book Revised and fully-up-to-date Every chapter covers current global industry trends Environmental aspects of materials are presented throughout Covers the basic concepts of nanomaterial technology New and more questions at the end of every chapter "This book is ideal for the Engineering Technology market.

The focus is on real applications of engineering materials with just enough science background to make the subject understandable. In addition to classroom use, this text is useful as a practical reference for the engineering practitioner. " --Beth Carle, Rochester Institute of Technology

This is not a good book. The author frequently describes the reasoning for the layout of the book. I did not buy a book entitled "Engineering Materials" to learn about the reasons you chose the order of the topics. I want to learn about engineering materials. Tell me about engineering materials, their properties, and selection. Leave your thoughts on the writing process to your friends and coworkers who ask about these things. Rarely do the answers to the Chapter Questions fall under the section into which they are divided. They are also commonly not carefully answered in the text. For instance, a question may ask for the definition of a specific engineering term that is never defined. Although an inference can be made from the text surrounding the term, that is very different from a precise definition. Spelling and grammatical errors abound. Page 433, for example, purchasing is not spelled "perchasing".

I purchased this for a class. Great reference book. I have actually used it for reference at work and intend to keep it in my office (Engineering Manager).

This is the worst Engineering book I have ever read. A monkey with a pen could write better book than those Idiots. Astonishing it has many topics but they are all scattered through the book. You have to read this book a few times from the beginning to the end and from the end to the beginning and still is lacking of proper information. You hardly can find any answers for the questions at the end of each chapter. This book should not be taught at any universities.

This is the book I have been looking for! While not a materials scientist, I certainly need information on materials to help make design decisions. This book gives me some great information and insights. Excellent examples of why you choose certain materials in certain applications (and avoid it in others). It's like a nice cheat sheet (all 700+ pages) for all things regarding materials selection.

I'm sure the authors know their stuff, but they certainly do not convey the information in an understandable manner. Also as many reviews have stated, the questions at the end of each chapter aren't covered in said chapter or just completely made up/personal opinion not being able to be found anywhere. Just a poorly written book for anyone to understand.

Easy to read. Good information.

Material easy to understand

The book is okay. It's exactly the same as the non-economy edition, which is nice. It's just not the best textbook ever. I only recommend it for a class.

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