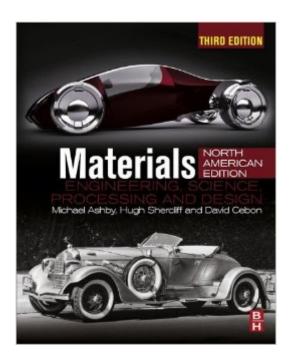
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## Materials: Engineering, Science, Processing And Design; North American Edition





## Synopsis

This is the essential materials engineering text and resource for students developing skills and understanding of materials properties and selection for engineering applications. Taking a unique design-led approach that is broader in scope than other texts, Materials 3e meets the curriculum needs of a wide variety of courses in the materials and design field, including introduction to materials science and engineering, engineering materials, materials selection and processing, and materials in design. This new edition retains its design-led focus and strong emphasis on visual communication while expanding its inclusion of the underlying science of materials to fully meet the needs of instructors teaching an introductory course in materials. Design-led approach motivates and engages students in the study of materials science and engineering through real-life case studies and illustrative applications Highly visual full color graphics facilitate understanding of materials concepts and propertiesChapters on materials selection and design are integrated with chapters on materials fundamentals, enabling students to see how specific fundamentals can be important to the design processFor instructors, a solutions manual, lecture slides, online image bank and materials selection charts for use in class handouts or lecture presentations are available at http://textbooks.elsevier.com Links with the Cambridge Engineering Selector (CES EduPack), the powerful materials selection software. See www.grantadesign.com for information NEW TO THIS EDITION: Text and figures have been revised and updated throughout The number of worked examples has been increased by 50%The number of standard end-of-chapter exercises in the text has been doubledCoverage of materials and the environment has been updated with a new section on Sustainability and Sustainable Technology

## **Book Information**

File Size: 46113 KB Print Length: 380 pages Publisher: Butterworth-Heinemann; 3 edition (October 9, 2013) Publication Date: October 9, 2013 Language: English ASIN: B00G4N7M1W Text-to-Speech: Enabled X-Ray: Not Enabled Word Wise: Not Enabled Lending: Not Enabled Enhanced Typesetting: Not Enabled

Best Sellers Rank: #858,295 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #42 in Kindle Store > Kindle eBooks > Engineering & Transportation > Engineering > Materials Science > Metallurgy #128 in Books > Engineering & Transportation > Engineering > Materials & Material Science > Extraction & Processing #207 in Kindle Store > Kindle eBooks > Engineering & Transportation > Engineering > Chemical

## **Customer Reviews**

Bought this book to use for my college class. I have been using for many years now and this eBook version is terrible. You cannot read the formulas inside the book. Many of the tables and charts are also extremely hard to read. I have used Kindle for many years now and this book is by far the worst quality I have seen.

One of the worst textbooks I've ever used for a class--so many typos and exercise mistakes. It would be nice to have a brief answer key in the back for certain problems. Plus, it is very bulky.

I bought this book for a material science class, the book was horrible for the math section, no defining variables in equations and dropping numbers in proofs, DO NOT GET THIS BOOK, *Download to continue reading...* 

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