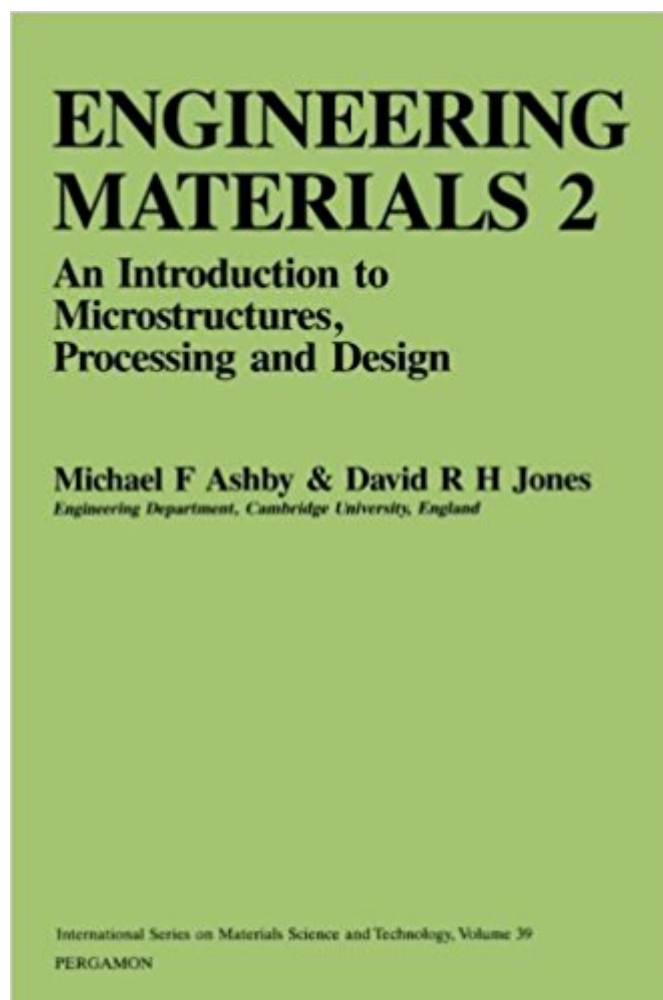




The book was found

Engineering Materials 2: An Introduction To Microstructures, Processing And Design (International Series On Materials Science And Technology) (v. 2)





Synopsis

Provides a thorough explanation of the basic properties of materials; of how these can be controlled by processing; of how materials are formed, joined and finished; and of the chain of reasoning that leads to a successful choice of material for a particular application. The materials covered are grouped into four classes: metals, ceramics, polymers and composites. Each class is studied in turn, identifying the families of materials in the class, the microstructural features, the processes or treatments used to obtain a particular structure and their design applications. The text is supplemented by practical case studies and example problems with answers, and a valuable programmed learning course on phase diagrams.

Book Information

Series: International Series on Materials Science and Technology (Book 39)

Paperback: 380 pages

Publisher: Pergamon (January 15, 1987)

Language: English

ISBN-10: 0080325327

ISBN-13: 978-0080325323

Product Dimensions: 6.5 x 0.9 x 9.8 inches

Shipping Weight: 1.4 pounds (View shipping rates and policies)

Average Customer Review: 3.4 out of 5 stars 4 customer reviews

Best Sellers Rank: #1,118,723 in Books (See Top 100 in Books) #88 in Books > Engineering & Transportation > Engineering > Materials & Material Science > Extraction & Processing #1177 in Books > Engineering & Transportation > Engineering > Materials & Material Science > Materials Science #1833 in Books > Textbooks > Engineering > Mechanical Engineering

Customer Reviews

...unique and interesting...It contains good illustrations, useful information in tabular form, and references for background reading and for further reading...The book is highly recommended as a textbook for a second course in engineering materials. It is also recommended as a reference book for practicing engineers and for libraries.Applied Mechanics Review, Volume 40, Number 8An excellent approach to the subject with a good selection of case studies to aid understanding of theory.M R Cochrane, Department of Materials Technology, Brunel UniversityA quick review of the book gives an excellent impression of clarity, detail and copious quantities of case study material. I will recommend it to Materials Science students, for lecture and tutorial work, and to service taught

engineers. I would estimate that, as with Engineering Materials you will enjoy high sales for this volume.

Dr M P Ansell, School of Materials Science, University of Bath
We have used volume 1 as a course text for a long while and it has been most successful. But we have long felt the need for a second volume to cover the topics which are now included in the new book. The approach adopted is most suitable to our needs, and we can expect that both volumes will be extensively used by our students.

Dr B E Powell, Department of Mechanical Engineering, Portsmouth Polytechnic
I have found the text most stimulating and interesting to read. It is undoubtedly far superior to any other textbooks aimed at this particular type of student. I shall be strongly recommending its purchase particularly in view of the lively case studies.

Dr D G McCartney, Department of Materials Science and Engineering, University of Liverpool
An extremely well written text book incorporating the latest concepts in Materials Engineering. The interdisciplinarity of the book is excellent.

Professor Pradeep Rohatgi, University of Wisconsin
Delightful work. Great insight. Very well written both as a textbook and as a reference source in interdisciplinary research.

D Krajcinovic, University of Illinois at Chicago
An excellent text with good engineering content. Admirable value for money.

D L Atherton, Queens University
Excellent books...Gopal S Reuankar, St Ambrose University, Davenport
Excellent reference books. Used to generate lectures. Very practical approach.

Fred Hoppe, Kansas State University
High quality, well-written, interesting and analytical...Good section on costs. Excellent case studies and phenomenology. Practical.

Edward L Widener, P. E., Purdue University
They are admirable books: the provision of 'Aids and Demonstrations' in Volume 1 to assist class teaching is extremely helpful. It is helpful to have answers for the problems.

Professor A G Atkins, Department of Engineering, The University of Reading
A most useful book for engineering students and complements the first text by these authors.

Dr R T Derricott, School of Engineering, Wolverhampton Polytechnic
This book is worth its price and it is only a matter of time for it to become yet another bestseller from these authors. It is one of those which one can say without any hyperbole that multiple copies of it should be in every engineering library.

Journal of Mechanical Working Technology
A most useful book for engineering students which complements the first text by these authors.

Dr Derricott, Wolverhampton Polytechnic
This book may be strongly recommended for addition to the personal collection of those who value good reading in materials science technology and design. It must certainly be added to technical libraries. The Pergamon Press must be richly congratulated for bringing out this book by two of the most accomplished material scientists of today.

Journal of Electrochem. Soc. India
No one has realized the importance of studying natural materials more than Ashby - what a debt materials sciences owes to this outstanding scientist. His two textbooks written with Jones, Engineering Materials 1 and 2, are still amongst the best

available.British Book News

The leading course text for engineering materials courses on microstructure and materials processing --This text refers to the Digital edition.

Maybe it was the way the professor taught the class, but I never found this book useful. I read it but none of it helped me.

By order, I received a wrong book. But I got full refund of my book and all my emails were responded in a really short period of time. If I get a chance, I will do business again with this service provider in future. The refund of the book was made in less than 72 hours after they received back the product.

This book is recommended for Ph.D. Qualification Exam, MEAM, University of Michigan

This is a good book to use with your students when you give the subject named engineering materials. The guys will love it.

[Download to continue reading...](#)

Engineering Materials 2: An Introduction to Microstructures, Processing and Design (International Series on Materials Science and Technology) (v. 2) Engineering Materials 2, Fourth Edition: An Introduction to Microstructures and Processing (International Series on Materials Science and Technology) Engineering Materials 3: Materials Failure Analysis: Case Studies and Design Implications (International Series on Materials Science and Technology) (v. 3) Continuum Scale Simulation of Engineering Materials: Fundamentals - Microstructures - Process Applications Freezing Colloids: Observations, Principles, Control, and Use: Applications in Materials Science, Life Science, Earth Science, Food Science, and Engineering (Engineering Materials and Processes) Biomimetic Materials And Design: Biointerfacial Strategies, Tissue Engineering And Targeted Drug Delivery (Manufacturing Engineering & Materials Processing) Materials: Engineering, Science, Processing and Design (Materials 3e North American Edition w/Online Testing) Materials North American Edition w/Online Testing: Materials - North American Edition, Second Edition: engineering, science, processing and design Materials: Engineering, Science, Processing and Design (Materials 3e with Online Testing) Modern Ceramic Engineering: Properties, Processing, and Use in Design, 3rd Edition (Materials Engineering) Materials, Third Edition: engineering,

science, processing and design; North American Edition Materials: engineering, science, processing and design; North American Edition Engineering Materials Technology: Structures, Processing, Properties, and Selection (5th Edition) Engineering Materials Technology: Structures, Processing, Properties and Selection (4th Edition) Natural Gas Processing: Technology and Engineering Design Processing Techniques and Tribological Behavior of Composite Materials (Advances in Chemical and Materials Engineering) Product Design for Manufacture and Assembly, Third Edition (Manufacturing Engineering and Materials Processing) Modern Ceramic Engineering: Properties, Processing, and Use in Design, 2nd Edition (Engineered Materials) Materials Processing: A Unified Approach to Processing of Metals, Ceramics and Polymers Handbook of Physical Vapor Deposition (PVD) Processing (Materials Science and Process Technology)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)