

The book was found

Introduction To Glass Science And Technology: RSC (RSC Paperbacks)



Synopsis

This book provides a concise and inexpensive introduction for an undergraduate course in glass science and technology. The level of the book has deliberately been maintained at the introductory level to avoid confusion of the student by inclusion of more advanced material, and is unique in that its text is limited to the amount suitable for a one term course for students in materials science, ceramics or inorganic chemistry. The contents cover the fundamental topics of importance in glass science and technology, including glass formation, crystallization, phase separation and structure of glasses. Additional chapters discuss the most important properties of glasses, including discussion of physical, optical, electrical, chemical and mechanical properties. A final chapter provides an introduction to a number of methods used to form technical glasses, including glass sheet, bottles, insulation fibre, optical fibres and other common commercial products. In addition, the book contains discussion of the effects of phase separation and crystallization on the properties of glasses, which is neglected in other texts. Although intended primarily as a textbook, Introduction to Glass Science and Technology will also be invaluable to the engineer or scientist who desires more knowledge regarding the formation, properties and production of glass.

Book Information

Series: RSC Paperbacks

Paperback: 308 pages

Publisher: Royal Society of Chemistry; 2nd edition (March 29, 2005)

Language: English

ISBN-10: 0854046399

ISBN-13: 978-0854046393

Product Dimensions: 6.1 x 0.8 x 9.2 inches

Shipping Weight: 1 pounds (View shipping rates and policies)

Average Customer Review: 4.6 out of 5 stars 8 customer reviews

Best Sellers Rank: #693,632 in Books (See Top 100 in Books) #23 in Books > Engineering & Transportation > Engineering > Chemical > Coatings, Ceramics & Glass #152 in Books > Science & Math > Chemistry > Inorganic #224 in Books > Science & Math > Chemistry > Industrial & Technical

Customer Reviews

This book provides a concise and inexpensive introduction for an undergraduate course in glass science and technology. The contents cover the fundamental topics of importance in glass science

and technology, including glass formation, crystallization, phase separation and structure of glasses. Additional chapters discuss the most important properties of glasses and a final chapter provides an introduction to a number of methods used to form technical glasses. Although intended primarily as a textbook, it is also invaluable to the engineer or scientist who desires more knowledge regarding the formation, properties and production of glass.

This product was exactly what I was looking for. It arrived in perfect condition and fits my needs perfectly. I have no complaints.

this text is the very best information source on the subject, written in a manner that allows entry to the subject on basic easy to understand terms yet going to the more interesting and complicated details in a fashion that pulls the reader along almost magically. In short it is a brilliant effort!

A truly excellent reference book on glass properties. Easy to read, it gives the reader a thorough knowledge and understanding of glass properties and behavior. It does not cover glass fusion or processing technologies.

This book is intended for something like "Glass Chemistry 101" and therefore requires a certain amount of knowledge in inorganic chemistry and materials science if you don't want to spend most of your time translating terminology. However, it's a very good resource for anyone seeking basic knowledge of glass properties and how they change in different environments.

Glass Science book that any undergraduate student working in relationship with glasses need to have with him! Arrived in well conditions, nothing to complain about!

Is an original book and very interesting, we can find modern researches about glasses and continued learning about its great world.

This is a good book about glasses tech, and in a introductory approach little by little introduce us the concepts of the amorphous phase.

I am currently working as a glass engineer (I basically bridge the gap between the research scientists and the manufacturing floor) in Kentucky and I am still referencing this book on a regular

basis. In my opinion this and Arun Varshneya's book are together a great starting point for furthering your personal understanding of glass science. It is true that you may need a bit of experience with Material Science, or at least the terminology, to get all you can out of this book. However, this is a great resource even for a 1st year undergrad. It is easy to read and explains the basic ideas behind glass structure AND manufacturing quite succinctly.

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

Introduction to Glass Science and Technology: RSC (RSC Paperbacks) Introduction to Glass Science and Technology (RSC Paperbacks) Introduction to Glass Science & Technology (Rsc Paperbacks) Trace Elements Medicine and Chelation Therapy: RSC (RSC Paperbacks) The Chemistry of Fireworks: RSC (RSC Paperbacks) The Chemistry of Medical and Dental Materials: RSC (RSC Materials Monographs) Therapeutic Oligonucleotides: RSC (RSC Biomolecular Sciences) The Maillard Reaction: RSC (RSC Food Analysis Monographs) The Chemistry of Fragrances: From Perfumer to Consumer (RSC Paperbacks) ART GLASS - Breaking Glass To Make Money: A Beginners Guide To Making Money With Art Glass - Copper Foil And Lead Explained (Volume 1) Introduction to Nanoscale Science and Technology (Nanostructure Science and Technology) Science and Technology in the Global Cold War (Transformations: Studies in the History of Science and Technology) Foresight for Science, Technology and Innovation (Science, Technology and Innovation Studies) Advances in Corrosion Science and Technology: Volume 6 (Advances in Corrosion Science & Technology) Holt Science & Technology: Microorganisms, Fungi, and Plants Course A (Holt Science & Technology [Short Course]) Advances in Nuclear Science and Technology: Volume 22 (Advances in Nuclear Science & Technology) Introduction to Radiologic Technology, 7e (Gurley, Introduction to Radiologic Technology) Introduction to Radiologic Technology - E-Book (Gurley, Introduction to Radiologic Technology) Blockchain: Step By Step Guide To Understanding The Blockchain Revolution And The Technology Behind It (Information Technology, Blockchain For Beginners, Bitcoin, Blockchain Technology) Fintech: Simple and Easy Guide to Financial Technology (Fin Tech, Fintech Bitcoin, financial technology fintech, Fintech Innovation, Fintech Gold, ... technology, equity crowdfunding) (Volume 1)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)