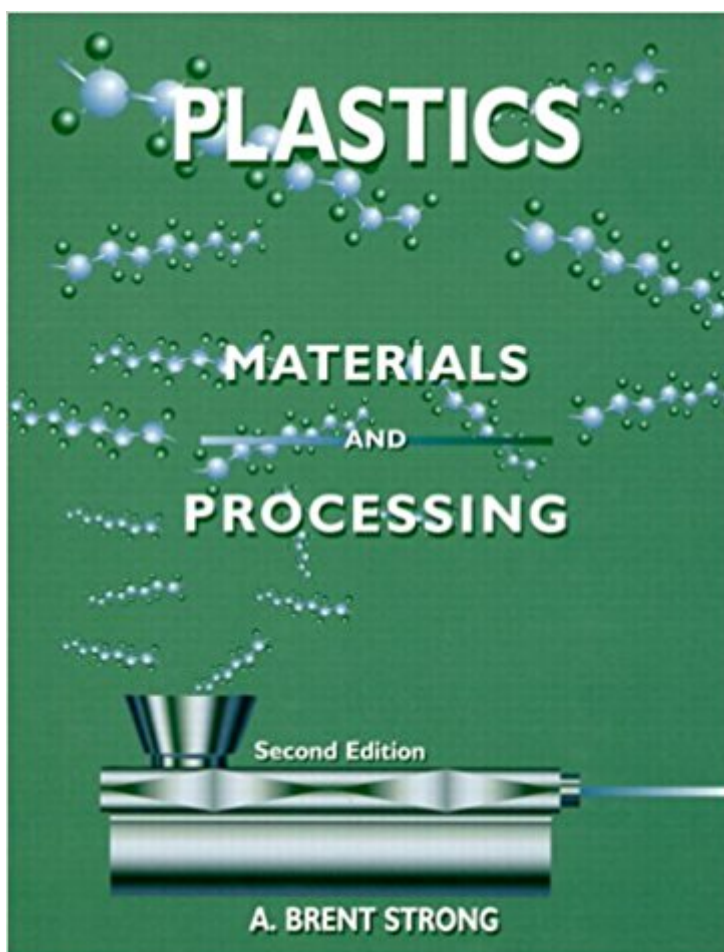


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# Plastics: Materials And Processing (2nd Edition)



## Synopsis

This book is designed to introduce plastics to a wide range of readers who need to either gain, improve, or refresh their knowledge of plastic materials and manufacturing. It fully discusses both materials and manufacturing processes in a carefully-constructed and logical presentation. While providing a fundamental overview of a broad spectrum of topics, the author touches upon polymeric materials (molecular viewpoint); micro structures in polymers; mechanical properties (macro viewpoint); chemical and physical properties (macro viewpoint); thermoplastic materials (commodity plastics); thermoplastic materials (engineering plastics); thermoset materials; elastomeric (rubber) materials; designing with plastics; extrusion process; injection molding process; blow molding process; thermoforming process; rotational molding process; casting processes; foaming processes; compression and transfer molding processes; polymeric composite materials and processes; radiation processes; finishing and assembly; environmental aspects of plastics; and operations. For practicing engineering technologists and engineers as well as anyone interested in plastics.

## Book Information

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## Customer Reviews

This book is designed to introduce plastics to a wide range of readers who need to either gain, improve or refresh their knowledge of plastic materials and processing. The book fully discusses both materials and processes in a carefully-constructed and logical presentation. While providing a fundamental overview of a broad spectrum of topics, the text's high level of detail makes it valuable

as both an introductory text and a professional reference manual. --This text refers to an out of print or unavailable edition of this title.

This book is designed to introduce plastics to a wide range of readers who need to either gain, improve, or refresh their knowledge of plastic materials and manufacturing. It fully discusses both materials and manufacturing processes in a carefully-constructed and logical presentation. While providing a fundamental overview of a broad spectrum of topics, the author touches upon polymeric materials (molecular viewpoint); micro structures in polymers; mechanical properties (macro viewpoint); chemical and physical properties (macro viewpoint); thermoplastic materials (commodity plastics); thermoplastic materials (engineering plastics); thermoset materials; elastomeric (rubber) materials; designing with plastics; extrusion process; injection molding process; blow molding process; thermoforming process; rotational molding process; casting processes; foaming processes; compression and transfer molding processes; polymeric composite materials and processes; radiation processes; finishing and assembly; environmental aspects of plastics; and operations. For practicing engineering technologists and engineers as well as anyone interested in plastics.

The content of this book is relevant, up-to-date and comprehensive. Dr. Strong has infused this complex study with his many years of professional, research, and academic experience. He has also made it accessible and understandable to anyone interested in the field regardless of experience. Unfortunately the publisher seriously dropped the ball on the Third Edition paperback. The graphics and photographs look like they were copied from a Second Edition hardback book with an ancient, low-resolution copier or scanner. The images are grainy, poorly contrasted, and in many cases, unrecognizable. Other errors have also been reported in the lists of plastic materials inside the front and back covers. It is also very unfortunate that there is not a hard-bound version of the Third Edition. I doubt that soft-cover book will long withstand the rigors of lab use. With any luck, Dr. Strong will find a new publisher to give the book the treatment it deserves.

The book content is great but the book was falling apart the first time I opened it. I got the paper back copy. It's extremely frustrating. Every page I turn falls out. Every time I use this book it pisses me off. Why should I pay 190\$ for a book that every page I turn falls out. Honestly the worst quality book I've ever handled. 100 year old books have stronger binding than this. Smh

Though I've barely begun reading it, first let me say my professor highly recommends the book's content. Having said that, the third edition is poorly printed and bound. The photos, all black and white, are so grainy that a 5th-generation xerox would be better quality. The pages are thin (highlighter soak-thru) and the cover is already coming off the spine in the first week of class. It's bad enough that engineering textbooks have to cost this much; if I'm going to pay over a hundred dollars for one it should last for years. Shame on the publisher.

The paperback version appears to be a photo-reproduction and not an original press run. The illustrations and photos are very poorly reproduced. The publisher should not be charging this outrageous price for such a shoddy reproduction. I'm sure the pictures and illustrations may have helped in presenting the information but most were so bad as to be more of a distraction than an aid. If this is a required text for a class try and find a hard bound copy. Hopefully the photos will be properly reproduced. As for the text itself, this book seems quite in need of a refresh for a publication date as recent as 2005.

I've been reading this book as part of an engineering Masters program. It covers a wealth of topics related to plastics, but I've not been impressed at all by the quality of the book itself. The pages look as if they've been photocopied instead of printed, so much so that all the images (which are black & white only) are washed out and nearly impossible to identify. The author also chose some ridiculous pictures, including one of a plate of spaghetti (to describe amorphous plastics) and a cake. I'm pretty sure anyone reading this book already knows what spaghetti and cake look like!

As you can read in prior reviews, this is a good book that explains the basics in an easy to read and understand package. I purchased a paperback version and this is where my disappointment lies. When paying this much for a text book you may expect it to stay together while using it. Unfortunately, this is a typical paperback of today that releases groups of pages from the binding if you open it. I expect you'd like to open it. This seems to be the trend with new paperbacks. I've purchased (4) PB text books over the last year and all release pages when opened the first time. I would recommend seeking out a hardcover copy.

The seller was great but just the quality of the book was horrible. The pictures are super low quality in both color and definition. It's like watching TV on a tube TV from the 50's.

Crucial book for engineers in the polymer area, tons of useful information in this book.

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