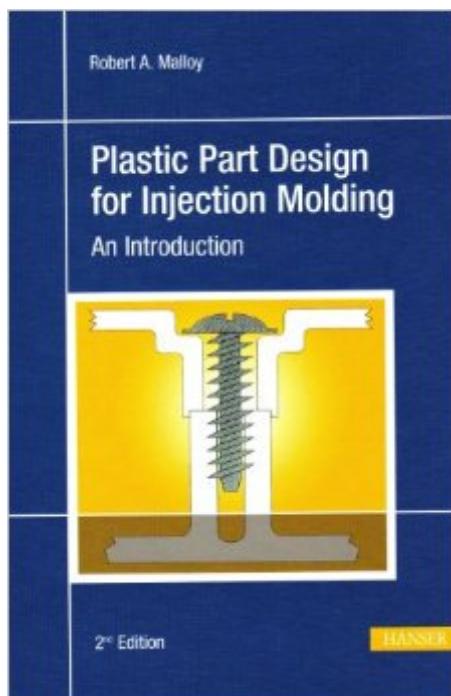


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# Plastic Part Design For Injection Molding 2E: An Introduction



## Synopsis

The goal of the book is to assist the designer in the development of parts that are functional, reliable, manufacturable, and aesthetically pleasing. Because injection molding is the most widely used manufacturing process for the production of plastic parts, a full understanding of the integrated design process presented is essential to achieving economic and functional design goals. This book features over 425 drawings and photographs. Contents: Introduction to Materials. Manufacturing Considerations for Injection Molded Parts. The Design Process and Material Selection. Structural Design Considerations. Prototyping and Experimental Stress Analysis. Assembly of Injection Molded Plastic Parts. Conversion Constants.

## Book Information

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## Customer Reviews

This book reveals the basic background required by personnel in the plastics field in designing parts for injection molding. It has many examples and illustrations of real-life applications instead of endless derivations of equations. It is a very useful, well structured, easy to follow guide for assisting in your design and knowledge of polymer related products.

I compared this "2nd edition" with the 1994 original 1st edition (available in like-new condition for about 1/4 price of the 2nd edition)ONLY DIFFERENCE is publisher merely appended a mostly worthless 50-page chapter on "Design for Enhanced Recyclability and Sustainability"THEY CHANGED NOTHING ELSE. The first four-hundred fifty pages are COMPLETELY UNREVISED.

Pathetic. So just go buy the 1st edition for about 1/3 to 1/4 the price. (ISBN-10: 1569901295, ISBN-13: 978-1569901298)

As a non-engineer, but fully engaged in the Injection Molding business as a recruiter of Plastic Part Design Engineers, this book delivers technical information but easy to read and comprehend. Not just a book on theory, but practical applications. I recommend for non-engineers and engineers.

This book is excellent. It is technical but easy to understand, has illustrations, comprehensive, and very informative. Highly recommended.

This book reveals the basic background required by personnel in the plastics field in designing parts for injection molding. It has many examples and illustrations of real-life applications instead of endless derivations of equations. It is a very useful, well structured, easy to follow guide for assisting in your design and knowledge of polymer related products.

The book is very comprehensive and I got a few important points out of it. The frustration is that it used technical terms from the very beginning, which were either explained (or inferable) later in the book or never explained at all. I wonder how much background in plastic molding the other readers had if they found this easy to read. Also, the sentence structure reminded me of my college term papers: Never say, "It smells bad" when you can say "Issues of noxious fumes that were held to have a negative olfactory effect have limited the usefulness of this particular composition."

You'll not find another book like this one. It covers many details of plastic part design. I've used it for several years in design engineering and it is one of my go-to texts. I also searched for other design books and nothing compares. It covers basic part design as well as a few more advanced topics and trouble shooting. The book is very technical and is not to be taken lightly. The book takes a practical approach to part design and doesn't just throw equations at you like a textbook. This is great for engineers, designers and technicians alike. Great for teaching beginners and a great reference for seasoned experts.

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