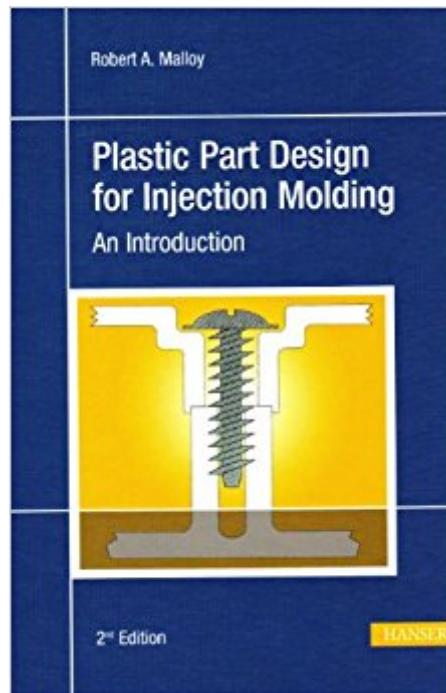




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Plastic Part Design For Injection Molding 2E: An Introduction



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

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.

I'm a mechanical engineer that designs plastic components on a daily basis, and made a point of

buying this reference book after borrowing my co-worker's copy numerous times. It is especially useful when design living hinges and other such detailed specifics involved in plastic part design.

Yep - can't get by without it. Great ready reference for Industrial Designers. Filled with theory and practical examples relevant to most design situations.

This book was just ok. It contains lots of information on material selection, and some basic design tips. It will be a good reference book for the future, but* It is poorly written: it uses terms without explaining them (or explains them several paragraphs later)* It mostly covers a general overview of the injection molding process, and lacks depth on the actual design of plastic parts (which is what I expected the book to focus on).

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

Extremely detailed and insightful. Sustainability is a critical issue and I'm pleased that these issues have been covered in this edition. This book deals with facts about process specifics. Consequently, subjective, emotionally-founded criticism is best disregarded.

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."

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)

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