



Advanced Thermoforming: Methods, Machines and Materials, Applications and Automation (Wiley Series on Polymer Engineering and Technology)

By Sven Engelmann

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Advanced Thermoforming: Methods, Machines and Materials, Applications and Automation (Wiley Series on Polymer Engineering and Technology) By Sven Engelmann

Introduces the latest innovations in thermoforming materials, processes, and applications

Advanced Thermoforming brings readers fully up to date with the latest standards, processes, materials, and applications in the field. From forming to filling to sealing processes, the author explains everything that can now be accomplished using the most advanced thermoforming technologies available. Moreover, readers learn how to fully leverage these technologies in order to design and manufacture products that meet all specifications at minimum cost and maximum efficiency.

Emphasizing the application of advanced thermoforming for the production of technical parts and packaging, the book:

- Guides readers through all facets of development, design, and machine and mold technology
- Recommends new technologies that offer higher productivity, better quality, and lower costs
- Describes common raw materials used in thermoforming, including how specific materials affect the production process
- Explains the proper handling of semi-finished products and formed parts
- Sets forth the basic principles of extrusion, an essential process underlying thermoforming
- Introduces the latest software techniques to simulate the thermoforming of new products

Throughout the book, readers learn about the latest innovations in thermoforming, from thermoformed automobile body parts to fully automated packaging assembly lines. The author offers valuable content from his interviews

with leading industrial thermoformers, sharing insights and tips from their years of hands-on experience with readers.

With Advanced Thermoforming as their guide, polymer and plastics engineering professionals and students can now explore and exploit the full range of possibilities that thermoforming technology offers.

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Editorial Review

Review

“Overall, this text presents an impressive variety of advanced thermoforming technologies in a very readable form.” (*Materials Views*, 21 August 2013)

About the Author

Sven Engelmann is the Director of Polymer Technology at Gerhard Schubert GmbH, where he leads the development of thermoforming technology. He is also a lecturer on thermoforming at the University of Stuttgart and the Aalen University of Applied Sciences in Germany.

Users Review

From reader reviews:

Winston Nakashima:

Spent a free the perfect time to be fun activity to do! A lot of people spent their down time with their family, or their very own friends. Usually they undertaking activity like watching television, about to beach, or picnic from the park. They actually doing same task every week. Do you feel it? Would you like to something different to fill your current free time/ holiday? May be reading a book is usually option to fill your no cost time/ holiday. The first thing that you'll ask may be what kinds of e-book that you should read. If you want to consider look for book, may be the publication untitled Advanced Thermoforming: Methods, Machines and Materials, Applications and Automation (Wiley Series on Polymer Engineering and Technology) can be excellent book to read. May be it is usually best activity to you.

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