



Plastic Blow Molding Handbook

By N. C. Lee

Springer. Paperback. Book Condition: New. Paperback. 560 pages. Dimensions: 10.0in. x 7.0in. x 1.3in. Over the years, numerous handbooks and design guides on the subject of plastics have been published. None of these dealt in any depth with the subject of this handbook-blow molding. The recent growth of blow molding as an economically feasible process has been rapid in many areas. This growth, coupled with the lack of technical publications relating to blow molding, prompted the Board of Directors of the Blow Molding Division of the Society of Plastic Engineers to undertake the assimilation of available information and the editing of this milestone publication. We believe that this Plastic Blow Molding Handbook will provide the reader with a greater understanding of the unique process characteristics of blow molding, enable the reader to apply proven techniques in developing new products and applications for blow molding, and will serve as a valuable reference for all who are interested in the plastics industry. Our thanks are heartily extended to the various authors for their contributions to this pioneering effort in blow molding. J. H. Moran Chairman Blow Molding Division Society of Plastic Engineers xi Preface The blow molding of plastic articles has in...

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Reviews

A very wonderful book with lucid and perfect answers. It is probably the most incredible book i have study. Its been designed in an exceptionally simple way and is particularly just after i finished reading through this publication by which in fact transformed me, alter the way in my opinion.

-- **Macey Schneider**

This book is great. it absolutely was writtern really perfectly and beneficial. You may like how the blogger compose this book.

-- **Pink Haley**

Blow molding of plastics has been around for over a century because it allows manufacturers to produce complex parts on a large scale. This process grew in popularity significantly with the introduction of polyethylene. Blow molding has the advantage of requiring much lower pressure during the process, compared to those employed in injection molding. Blow molding, however, subjects the molten plastic to high shear rates and temperatures. Stretch blow molding produces a plastic container from a preform that is stretched in all directions when the preform is blown into a container-shaped mold. The process is shown in Fig. 3.29. *Plastics Mold Engineering Handbook 3. Mold Advance Course Book. Sect 6 Injection Mold Design Tips.* comes from the extruder or injection molding machine (as in conventional blow molding), or stored cold and then reheated (as in cold preform molding); and in the manner in which the parison is transferred to the blow mold or the blow mold is moved to the parison. The basic process steps remain the same, however: 1. Melt the material. 2. Form the molten resin into a tube or parison. 3. Enclose the hollow parison in the blow mold. 4. Inflate the parison inside the mold. 5. Cool the blow-molded part. 6. Remove the part from the mold. 7. Trim flash, as needed.