

CONTENTS

Chapter 1. The Complete Blow Molding Operation	1
Chapter 2. Blow Molding Machines	97
Chapter 3. Injection Stretch Blow Molding	117
Chapter 4. Plasticating Screw Process	149
Chapter 5. Controls for Blow Molding	169
Chapter 6. Designing Blow Molded Products	185
Chapter 7. Designing and Manufacturing of Dies/Molds	217
Chapter 8. Blow Molds and Operation	333
Chapter 9. CAD/CAM/CAE for Blown Parts and die/Mold Design	349
Chapter 10. Mold Cool and Flow Analysis	379
Chapter 11. Auxiliary Equipment	391
Chapter 12. Processing Plastic Materials	461
Chapter 13. Polyolefins	529
Chapter 14. Polyethylene Terephthalate (PET)	539
Chapter 15. Polyvinyl Chloride	571
Chapter 16. Polymer Structure in Blow Molding	601
Chapter 17. Melt Rheology and Blow Molding	645
Chapter 18. Troubleshooting Processing problems and Solutions	683
Chapter 19. Testing and Quality Control	731
Chapter 20. Statistical Process/Quality Control	785
Chapter 21. Production Plant Design and Operation	809
Chapter 22. Blow Molding Highly Irregular Shaped Parts	817
Chapter 23. Evolution of an Imaginative Technology double Wall Blow Molding	827
Chapter 24. Technical Cost modeling	839
Chapter 25. Effective Plant Management Financial Control	873
Chapter 26. Profit Through Technological Advances	885
Index	999