

CONTENTS

1. FUNDAMENTALS OF DESIGNING WITH PLASTICS AND COMPOSITES	1
2. THE STRUCTURE AND BASIC PROPERTIES OF PLASTICS	61
3. PLASTICS: DESIGN CRITERIA	125
4. ENVIROMENTAL CONDITIONS AFFECTING PLASTICS	253
5. STRUCTURAL DESIGN ANALYSIS	303
6. THE PROPERTIES OF PLASTICS	405
7. THE PROCESSING OF PLASTICS	589
8. AUXILIARY EQUIPMENT AND SECONDARY OPERATIONS	711
9. TESTING AND QUALITY CONTROL	731
10. COMPUTER-AIDED DESIGN	757
11. DESIGN FEATURES THAT INFLUENCE PERFORMANCE	789
12. CONCLUSIONS	877