

CONTENTS

1-1 Product design and materials selection	1
1-2 Mechanical properties	107
1-3 Physical properties	225
1-4 Corrosion	267
1-5 Wear	375
1-6 Component manufacturing processes	469
1-7 Joining	643
1-8 The significance of materials properties and testing	819
1-9 Materials for electromagnetic compatibility	875
1-10 Design, materials and manufacturing process route selection for minimal environmental impact	883
1-11 Units and conversion factors	891
Index	ii