

CONTENTS

<i>List of Contributors</i>	v
<i>Preface</i>	xiii
<i>Abbreviations</i>	xix
Section 1. <i>Properties of Materials</i>	1-1
Section 2. <i>Fabricated Forms and Processes</i>	2-1
Section 3. <i>Cast Iron and Steel</i>	3-1
Section 4. <i>Engineering Steels</i>	4-1
Section 5. <i>Stainless Steels</i>	5-1
Section 6. <i>Aluminum-base Materials</i>	6-1
Section 7. <i>Copper and Copper-base Materials</i>	7-1
Section 8. <i>Lead-base Materials</i>	8-1
Section 9. <i>Magnesium</i>	9-1
Section 10. <i>Nickel and Nickel-base Alloys</i>	10-1
Section 11. <i>Tin, Tin Plate, and Tin-base Alloys</i>	11-1
Section 12. <i>Zinc and Zinc Alloys</i>	12-1
Section 13. <i>The Uncommon Metals</i>	13-1
Section 14. <i>The Precious Metals</i>	14-1
Section 15. <i>The Specialty Metals</i>	15-1
Section 16. <i>Liquid Metals</i>	16-1
Section 17. <i>Laminated Metals</i>	17-1
Section 18. <i>Magnetic Materials and Electrical Alloys</i>	18-1
Section 19. <i>Electrical Conductors and Contacts</i>	19-1
Section 20. <i>Electroplated Coatings and Allied Processes</i>	20-1
Section 21. <i>Wear-resistant Surfaces</i>	21-1
Section 22. <i>Powder Metallurgy Products and Cermets</i>	22-1
Section 23. <i>Stone and Minerals</i>	23-1
Section 24. <i>Reinforced Concrete</i>	24-1
Section 25. <i>Brick, Structural Clay Products, and Refractories</i>	25-1
Section 26. <i>Porcelain, Stoneware, and Vitreous Coatings</i>	26-1
Section 27. <i>Glass and Silica</i>	27-1

Section 28.	<i>Carbon and Graphite</i>	28-1
Section 29.	<i>Wood and Related Materials and Paper</i>	29-1
Section 30.	<i>Textiles, Felts, and Cordage</i>	30-1
Section 31.	<i>Hydrocarbon-base Materials</i>	31-1
Section 32.	<i>Rubber and Elastomers</i>	32-1
Section 33.	<i>Plastics</i>	33-1
Section 34.	<i>Organic Coatings</i>	34-1
Section 35.	<i>Insulation</i>	35-1
Section 36.	<i>Deterioration of Engineering Structures</i>	36-1
Section 37.	<i>Corrosion and Protection against Corrosion</i>	37-1
Section 38.	<i>Materials of Construction for the Process Industries</i>	38-1
Section 39.	<i>Pipe, Fittings, and Valves</i>	39-1
Section 40.	<i>Gaskets, Packings, Adhesives, and Cements</i>	40-1
Section 41.	<i>Wire, Chain, and Sheet</i>	41-1
Section 42.	<i>Materials Problems of Specific Industries</i>	42-1
Section 43.	<i>Sources of Information on Engineering Materials</i>	43-1

Index follows Section 43.

