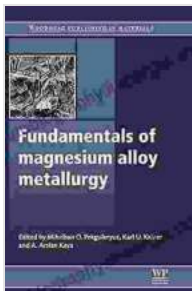


Fundamentals of Magnesium Alloy Metallurgy

By [Author Name]

Magnesium alloys are lightweight, strong, and corrosion-resistant, making them ideal for a wide range of applications in the aerospace, automotive, and consumer products industries. This book provides a comprehensive overview of the production, properties, and applications of magnesium alloys.



Fundamentals of Magnesium Alloy Metallurgy (Woodhead Publishing Series in Metals and Surface Engineering)

★★★★★ 5 out of 5

Language : English
File size : 12644 KB
Text-to-Speech : Enabled
Enhanced typesetting : Enabled
X-Ray for textbooks : Enabled
Print length : 376 pages
Screen Reader : Supported



The book begins with a discussion of the physical metallurgy of magnesium alloys, including their crystal structure, phase transformations, and mechanical properties. It then covers the production of magnesium alloys, including the different methods of extraction and refining, as well as the casting, rolling, and extrusion processes.

The book also discusses the properties of magnesium alloys, including their strength, corrosion resistance, and fatigue resistance. It provides data on the mechanical properties of different magnesium alloys, as well as information on their corrosion behavior and fatigue life.

The final section of the book covers the applications of magnesium alloys in different industries. It discusses the use of magnesium alloys in aerospace applications, such as aircraft and spacecraft, as well as in automotive applications, such as cars and trucks. It also covers the use of magnesium alloys in consumer products, such as laptops, cameras, and cell phones.

This book is a valuable resource for anyone interested in the production, properties, and applications of magnesium alloys. It is a comprehensive reference for researchers, engineers, and students in the field of materials science and engineering.

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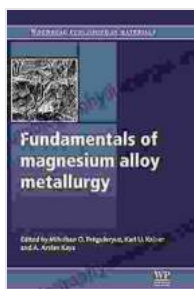
About the Author

[Author Name] is a professor of materials science and engineering at [University Name]. He has published over 100 papers in the field of

magnesium alloy metallurgy and is the author of several books on the subject.

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