

Heat Treater's Guide

Practices and Procedures for Nonferrous Alloys

Harry Chandler, Editor

Veronica Flint, Manager of Book Acquisitions
Grace M. Davidson, Manager of Book Production
Randall L. Boring, Production Project Coordinator
Cheryl L. Powers, Production Project Coordinator
Alexandru Popaz Pauna, Production Project Coordinator



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PREFACE

Heat Treater's Guide, Practices and Procedures for Nonferrous Metals/Alloys, features quick access to some 450 or more authoritative datasheets on the subject, namely:

- Superalloys
- Nickels
- Aluminum
- Copper
- Magnesium
- Titanium
- Zinc

In addition, brief overview articles provide information on the heat treatment of:

- Aluminum P/M alloys
- Beryllium-copper alloys
- Lead and lead alloys
- Refractory metals and alloys
- Tin-rich alloys
- and Sintering of copper-base materials

Information is organized by material group, and is provided on an alloy-by-alloy basis. Each datasheet includes information such as: composition, trade names and common names, specifications (both U.S. and foreign), typical applications, mechanical and chemical properties, fabrication characteristics, and, of course, the recommended heat treating practice. These datasheets are designed to follow a similar format to that established in the popular *Heat Treater's Guide, Procedures and Practices for Irons and Steels*.

Access to this data is facilitated by the cross reference provided at the end of the book.

For further convenience to the reader, we have included a Glossary of terms related to the heat treating of nonferrous materials.

We are interested in receiving datasheet contributions you might have that could be included in this book, as well as your comments or suggestions.

Materials Park, OH
September 1996

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