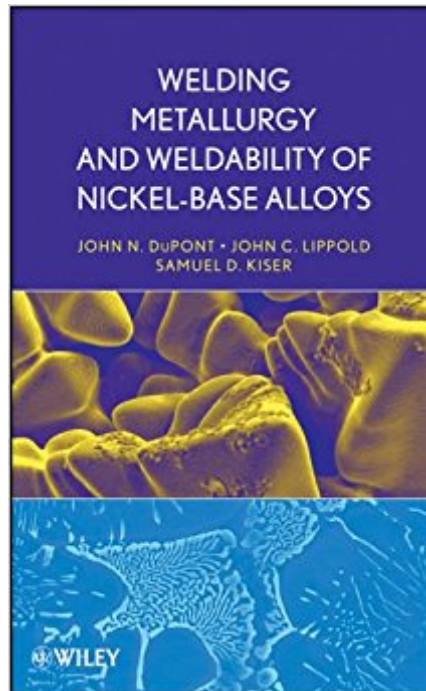


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# Welding Metallurgy And Weldability Of Nickel-Base Alloys



## Synopsis

The most up-to-date coverage of welding metallurgy aspects and weldability issues associated with Ni-base alloys *Welding Metallurgy and Weldability of Nickel-Base Alloys* describes the fundamental metallurgical principles that control the microstructure and properties of welded Ni-base alloys. It serves as a practical how-to guide that enables engineers to select the proper alloys, filler metals, heat treatments, and welding conditions to ensure that failures are avoided during fabrication and service. Chapter coverage includes: Alloying additions, phase diagrams, and phase stability Solid-solution strengthened Ni-base alloys Precipitation strengthened Ni-base alloys Oxide dispersion strengthened alloys and nickel aluminides Repair welding of Ni-base alloys Dissimilar welding Weldability testing High-chromium alloys used in nuclear power applications With its excellent balance between the fundamentals and practical problem solving, the book serves as an ideal reference for scientists, engineers, and technicians, as well as a textbook for undergraduate and graduate courses in welding metallurgy.

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meetings to audiences around the world.

Dr. LippoLD comes thru again - excellent reference book.

If you are familiar with the concepts of metallurgy this book will be a breeze to read. If you aren't  
familiar it probably still won't leave you behind."If there is an overall message from the panel, it is

that metallurgy is dedicated to advancing into the future and will not be deterred." - GD Smith,  
Future Trends in Key Nickel Alloy Markets. JOM Sep 2006

If you weld,are involved with nickel welding alloys or products in any way, you need this book!  
These authors are noted authorities on the subject and explain the subject in easy to understand terminology. Pair this with "Metallurgy for the Non-Metallurgist" and you will be set!

Great resource

like his old book for weldment of SS, the author's book is quite useful and containing many new achievements in this field.this is a very good handbook for material engineers.

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