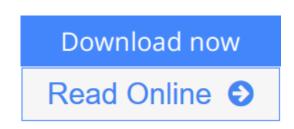


# Castable Polyurethane Elastomers, Second Edition

By I.R. Clemitson



#### Castable Polyurethane Elastomers, Second Edition By I.R. Clemitson

**Castable Polyurethane Elastomers** is a practical guide to the production of castable polyurethane articles, from simple doorstops to complex items used in the military and nuclear industries. The book shows the progression from raw materials to prepolymer production, including the chemistry and functionality of the production processes. It provides a comprehensive look at various problemsolving and processing techniques, examining the selection of different types of systems on both the micro and macro levels. It also discusses curing and post-curing operations, conveying the importance of using the correct property for the application.

Reorganized for better flow, this Second Edition:

- Describes new methods in the processing of castable polyurethanes
- Expands coverage of health and safety aspects
- Brings all standards up to date

**Castable Polyurethane Elastomers, Second Edition** explains the production of polyurethane components, filling the gap between pure chemistry and trade information.

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#### About the Author

**I.R. Clemitson** has worked in the chemical industry for 45 years. Predominantly, he worked in the polymer industry, both in production and development, concentrating on rubbers and polyurethanes. In 1999, he received a master's degree from the University of Technology in Sydney, Australia. His thesis was titled "The Influence of Polyurethane Chemistry on Erosive Wear." During this time, he was working at the R and D laboratory of Warman International in Sydney, Australia doing research into polyurethanes and other elastomers. In the concluding years of his full-time work, he was employed in the development and manufacture of polyurethane elastomers and foams. He also gave lectures at the local training institute and to industry on aspects of polyurethane and rubber technology. He has authored two books on polyurethane elastomers, namely *Castable Polyurethane Elastomers* and *Polyurethane Casting Primer*.

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