



# Handbook of Thermoplastic Elastomers, Second Edition (Plastics Design Library)

By Jiri George Drobny

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## Handbook of Thermoplastic Elastomers, Second Edition (Plastics Design Library) By Jiri George Drobny

*Handbook of Thermoplastic Elastomers, Second Edition* presents a comprehensive working knowledge of thermoplastic elastomers (TPEs), providing an essential introduction for those learning the basics, but also detailed engineering data and best practice guidance for those already involved in polymerization, processing, and part manufacture.

TPEs use short, cost-effective production cycles, with reduced energy consumption compared to other polymers, and are used in a range of industries including automotive, medical, construction and many more. This handbook provides all the practical information engineers need to successfully utilize this material group in their products, as well as the required knowledge to thoroughly ground themselves in the fundamental chemistry of TPEs. The data tables included in this book assist engineers and scientists in both selecting and processing the materials for a given product or application.

In the second edition of this handbook, all chapters have been reviewed and updated. New polymers and applications have been added ? particularly in the growing automotive and medical fields ? and changes in chemistry and processing technology are covered.

- Provides essential knowledge of the chemistry, processing, properties, and applications for both new and established technical professionals in any industry utilizing TPEs
- Datasheets provide "at-a-glance" processing and technical information for a wide range of commercial TPEs and compounds, saving readers the need to contact suppliers
- Includes data on additional materials and applications, particularly in automotive and medical industries



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#### **About the Author**

Jiri G. Drobny is President of Drobny Polymer Associates, and former Adjunct Faculty of Plastics Engineering at the University of Massachusetts, Lowell. Drobny is an active educator, lecturer, writer, and internationally known consultant. His career spans more than 40 years in the rubber and plastic processing industry, mainly in research and development with senior and executive responsibilities.

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