



# Handbook of Engineering and Specialty Thermoplastics, Volume 1: Polyolefins and Styrenics

Johannes Karl Fink

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## DESCRIPTION

**Utilizes an encyclopedic approach to cover the developments in polyolefins and styrenics during the last decade**

This book focuses on common types of polymers belonging to the class of polyolefins and styrenics. The text is arranged according to the chemical constitution of polymers and reviews the developments that have taken place in the last decade. A brief introduction to the polymer type is given and previous monographs and reviews dealing with the topic are listed for quick reference. The text continues with monomers, polymerization, fabrication techniques, properties, application, as well as safety issues.

Providing a rather encyclopedic approach to polyolefins and styrenics, *The Handbook of Engineering and Specialty Thermoplastics:*

- Presents a listing of suppliers and commercial grades
- Reviews current patent literature, essential for the engineer developing new products
- Contains an extensive tradenames index with information that is fairly unique
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Concludes with an index of acronyms

*The Handbook of Engineering and Specialty Thermoplastics: Polyolefins and Styrenics* provides a comprehensive reference for chemical engineers and offers advanced students with a textbook for use in courses on chemically biased plastics technology and polymer science.

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## ABOUT THE AUTHOR

**Johannes Karl Fink**, PhD is Professor of Macromolecular Chemistry at Montanuniversität, Leoben, Austria. His industry and academic career spans more than 30 years in the fields of polymers, and his research interests include characterization, flame retardancy, thermodynamics and degradation of polymers, pyrolysis, and adhesives. Professor Fink has published several books on physical chemistry and polymer science including *A Concise Introduction to Additives for Thermoplastic Polymers* (Wiley/Scrivener-2010).

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