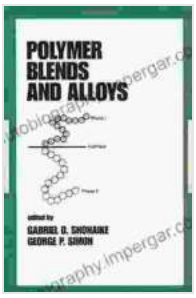
Polymer Blends and Alloys: A Comprehensive Guide for Plastics Engineers

Polymer blends and alloys are a type of plastic material that is made by combining two or more different polymers. This can be done to improve the properties of the individual polymers, such as their strength, toughness, or flexibility. Polymer blends and alloys are used in a wide variety of applications, including automotive parts, appliances, and packaging.

Polymer Blends and Alloys: Plastics Engineering 52 is a comprehensive guide to the science, technology, and applications of polymer blends and alloys. This book provides a thorough overview of the field, from the basic principles of polymer blending to the latest advances in the design and development of polymer blend materials.



Polymer Blends and Alloys (Plastics Engineering Book 52)

★★★★★ 5 out of 5

Language	: English
File size	: 31747 KB
Text-to-Speech	: Enabled
Enhanced typesetting	: Enabled
Print length	: 764 pages
Screen Reader	: Supported

The book is divided into three parts. The first part introduces the basic principles of polymer blending, including the thermodynamics of polymer mixing, the morphology of polymer blends, and the mechanical properties

of polymer blends. The second part discusses the different types of polymer blends and alloys, including miscible blends, immiscible blends, and compatibilized blends. The third part covers the applications of polymer blends and alloys, including their use in automotive parts, appliances, and packaging.

Polymer Blends and Alloys: Plastics Engineering 52 is a valuable resource for anyone who is interested in learning more about the science, technology, and applications of polymer blends and alloys.

Key Features

- Provides a comprehensive overview of the field of polymer blends and alloys
- Covers the basic principles of polymer blending, including the thermodynamics of polymer mixing, the morphology of polymer blends, and the mechanical properties of polymer blends
- Discusses the different types of polymer blends and alloys, including miscible blends, immiscible blends, and compatibilized blends
- Covers the applications of polymer blends and alloys, including their use in automotive parts, appliances, and packaging
- Written by a team of experts in the field of polymer blends and alloys

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Author Biographies

Dr. John A. Pojman is a Professor of Chemical Engineering at the University of Maryland. He is the author of over 200 scientific papers and several books on the science and technology of polymers.

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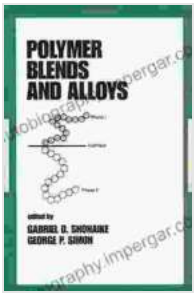

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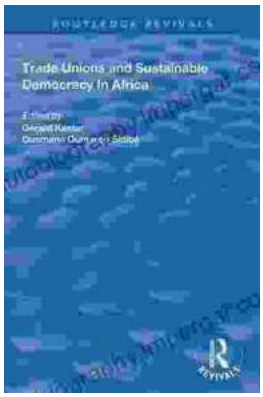

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