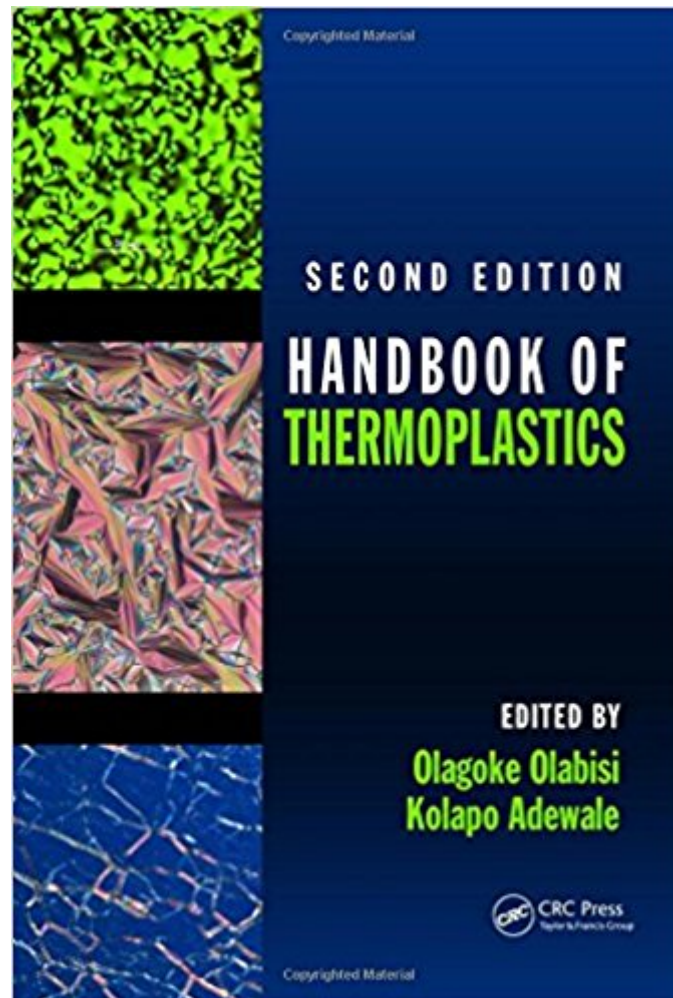


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Handbook Of Thermoplastics, Second Edition (Plastics Engineering)



Synopsis

This new edition of the bestselling Handbook of Thermoplastics incorporates recent developments and advances in thermoplastics with regard to materials development, processing, properties, and applications. With contributions from 65 internationally recognized authorities in the field, the second edition features new and updated discussions of several topics, including: Polymer nanocomposites Laser processing of thermoplastic composites Bioplastics Natural fiber thermoplastic composites Materials selection Design and application Additives for thermoplastics Recycling of thermoplastics Regulatory and legislative issues related to health, safety, and the environment The book also discusses state-of-the-art techniques in science and technology as well as environmental assessment with regard to the impact of thermoplastics. Each chapter is written in a review format that covers: Historical development and commercialization Polymerization and process technologies Structural and phase characteristics in relation to use properties The effects of additives on properties and applications Blends, alloys, copolymers, and composites derived from thermoplastics Applications Giving thorough coverage of the most recent trends in research and practice, the Handbook of Thermoplastics, Second Edition is an indispensable resource for experienced and practicing professionals as well as upper-level undergraduate and graduate students in a wide range of disciplines and industries.

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"The second edition of the Handbook of Thermoplastics offers an important update since the first edition. New subjects have been added for areas emerging of interest since the first edition. Having utilized the first edition in my career before I retired, I can recommend the second edition for professionals in both academic and business areas." —Lloyd M. Robeson, Air Products and Chemicals, Inc. (Ret.) "Overall, this new text is very readable and well planned. —a very good introduction to the majority of the important commonly used classes of industrial thermoplastics." —Garth L. Wilkes, Virginia Polytechnic Institute and State University

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