

Read Book Waste Expanded Polystyrene Recycling By Dissolution With A Pdf For Free

Recycling of Expanded Polystyrene Using Natural Solvents Recycling Materials Based on Environmentally Friendly Techniques A Study to Produce Building Materials from Recycled Polystyrene Foam The Pre-feasibility Study of Expanded Polystyrene Recycling Use and Disposal of Polystyrene in California Handbook of Polymer Foams Handbook of Plastics Recycling Cellular Polymers III Material Recycling Handbook of Vinyl Polymers Solar Energy Houses Recycling of Polymers Encyclopedia of Consumption and Waste Plastics and the Environment PRO 41: International RILEM Symposium on Environment-Conscious Materials and Systems for Sustainable Development Practical Food Safety Handbook of Plastics, Elastomers, and Composites Plastic Waste Recycling Technology Renewable Energy for Mitigating Climate Change Applied Plastics Engineering Handbook More Efficient Utilization of Fish and Fisheries Products Recycling of Plastics, Metals, and Their Composites Korea Buying "green" Re-Use and Recycling of Materials Plastics and Sustainability Molecules at an Exhibition Handbook of Fourier Transform Raman and Infrared Spectra of Polymers Blowing Agents and Foaming Processes 2014 Concepts for Reuse and Recycling of Construction and Demolition Waste The Wiley Encyclopedia of Packaging Technology Hazardous substances in plastics Waste Management for the Food Industries Recycling For Dummies Water Scarcity, Contamination and Management Packaging and the Environment Resource Recover and Utilization Characterization of Minerals, Metals, and Materials 2019 Proceedings fib Symposium in Tel-Aviv Israel Use of Recycled Plastics in Eco-efficient Concrete

This book discusses some of the state-of-the-art techniques of recycling post-consumer plastic materials and focuses on mechanical recycling, chemical recycling and energy recovery. The book is intended for all those who are interested in recycling of post consumer plastic waste. Although, this book discusses technical aspects of recycling, the authors have endeavoured to make this book easily understandable to anyone interested in the subject enabling the reader to gain a thorough grounding in all the subjects discussed. Explores the geography, history, government, economy, and culture of Korea. Recycling of Expanded Polystyrene Using Natural Solvents. This Handbook reviews the chemistry, manufacturing methods, properties and applications of the synthetic polymer foams used in most applications. In addition, a chapter is included on the fundamental principles, which apply to all polymer foams. There is also a chapter on the blowing agents used to expand polymers and a chapter is on microcellular foams - a relatively new development where applications are still being explored. The complete and authoritative guide to modern packaging technologies —updated and expanded From A to Z, The Wiley Encyclopedia of Packaging Technology, Third Edition covers all aspects of packaging technologies essential to the food and pharmaceutical industries, among others. This edition has been thoroughly updated and expanded to include important innovations and changes in materials, processes, and technologies that have occurred over the past decade. It is an invaluable resource for packaging technologists, scientists and engineers, students and educators, packaging material suppliers, packaging converters, packaging machinery manufacturers, processors, retailers, and regulatory agencies. In addition to updating and improving articles from the previous edition, new articles are also added to cover the recent advances and developments in packaging. Content new to this edition includes: Advanced packaging materials such as antimicrobial materials, biobased materials, nanocomposite materials, ceramic-coated films, and perforated films Advanced packaging technologies such as active and intelligent packaging, radio frequency identification (RFID), controlled release packaging, smart blending, nanotechnology, biosensor technology, and package integrity inspection Various aspects important to packaging such as sustainable packaging, migration, lipid oxidation, light protection, and intellectual property Contributions from experts in all-important aspects of packaging Extensive cross-referencing and easy-to-access information on all subjects Large, double-column format for easy reference Radical polymerization is one of the most widely used means of producing vinyl polymers, supporting a myriad of commercial uses. Maintaining the quality of the critically acclaimed first edition, the Handbook of Vinyl Polymers: Radical Polymerization, Process, and Technology, Second Edition provides a fully updated, single-volume source on the chemistry, technology, and applications of vinyl polymers. Emphasizes radical initiating systems and mechanisms of action... Written by renowned researchers in the field, this handbook is primarily concerned with the physical and organic chemistry of radical vinyl polymerization. The authors survey the most recent advances, processing methods, technologies, and applications of free radical vinyl polymerization. The book features thorough coverage of polymer functionalization, photo initiation, block and graft copolymers, and polymer composites. Analyzes living/controlled radical polymerization, one of the latest developments in the field... Combining fundamental aspects with the latest advances, processing methods, and applications in free radical vinyl polymerization and polymer technology, this invaluable reference provides a unified, in-depth, and innovative perspective of radical vinyl polymerization. Use of Recycled Plastics in Eco-efficient Concrete looks at the processing of plastic waste, including techniques for separation, the production of plastic aggregates, the production of concrete with recycled plastic as an aggregate or binder, the fresh properties of concrete with plastic aggregates, the shrinkage of concrete with plastic aggregates, the mechanical properties of concrete with plastic aggregates, toughness of concrete with plastic aggregates, modulus of elasticity of concrete with plastic aggregates, durability of concrete with plastic aggregates, concrete plastic waste powder with enhanced neutron radiation shielding, and more, thus making it a valuable reference for academics and industrial researchers. Describes the main types of recycled plastics that can be applied in concrete manufacturing Presents, for the first time, state-of-the art knowledge on the properties of conventional concrete with recycled plastics Discusses the technological challenges for concrete manufactures for mass production of recycled concrete from plastic waste The leading book on packaging and the environment-now expanded and updated This is a detailed examination and objective analysis of all aspects of environmental problems related to packaging: resource depletion, pollution, solid waste management, recycling, degradability, package design considerations, and legislation. The author is a leading authority on the

subject. The presentation is well documented and non-partisan. This new edition is expanded and completely updated. A practical reference for all plastics engineers who are seeking to answer a question, solve a problem, reduce a cost, improve a design or fabrication process, or even venture into a new market. Applied Plastics Engineering Handbook covers both polymer basics – helpful to bring readers quickly up to speed if they are not familiar with a particular area of plastics processing – and recent developments – enabling practitioners to discover which options best fit their requirements. Each chapter is an authoritative source of practical advice for engineers, providing authoritative guidance from experts that will lead to cost savings and process improvements. Throughout the book, the focus is on the engineering aspects of producing and using plastics. The properties of plastics are explained along with techniques for testing, measuring, enhancing and analyzing them. Practical introductions to both core topics and new developments make this work equally valuable for newly qualified plastics engineers seeking the practical rules-of-thumb they don't teach you in school, and experienced practitioners evaluating new technologies or getting up to speed on a new field. The depth and detail of the coverage of new developments enables engineers and managers to gain knowledge of, and evaluate, new technologies and materials in key growth areas such as biomaterials and nanotechnology. This highly practical handbook is set apart from other references in the field, being written by engineers for an audience of engineers and providing a wealth of real-world examples, best practice guidance and rules-of-thumb.

Archaeologists and anthropologists have long studied artifacts of refuse from the distant past as a portal into ancient civilizations, but examining what we throw away today tells a story in real time and becomes an important and useful tool for academic study. Trash is studied by behavioral scientists who use data compiled from the exploration of dumpsters to better understand our modern society and culture. Why does the average American household send 470 pounds of uneaten food to the garbage can on an annual basis? How do different societies around the world cope with their garbage in these troubled environmental times? How does our trash give insight into our attitudes about gender, class, religion, and art? The Encyclopedia of Consumption and Waste explores the topic across multiple disciplines within the social sciences and ranges further to include business, consumerism, environmentalism, and marketing to comprise an outstanding reference for academic and public libraries.

Plastics and Sustainability: Practical Approaches provides a broad overview of sustainability as applied to plastics, offering a range of opportunities and solutions to be applied in an academic or industrial setting. The book begins by introducing the challenges and opportunities relating to plastics and environmental sustainability. This is followed by detailed eco-profiles organized by polymer category. Subsequent chapters explore various approaches to plastics sustainability, with in-depth coverage of incineration technology for energy recovery, pyrolysis for chemical recovery, blending technology, design, packaging, circular economy, and biopolymers. Finally, international policies are summarized. The book aims to provide a broad source of information and a range of options to readers on how to evaluate and improve the sustainability of plastics, with analyses of the advantages and drawbacks of different technologies and materials. Authored by two professional engineers with substantial experience in industry and consultancy, this is a valuable resource for all those looking for a wide-ranging overview of sustainability as applied to plastics, including researchers and advanced students from a range of materials science and engineering disciplines, and engineers, manufacturers, scientists, and R&D professionals from a range of industries. Offers detailed information on plastics eco-profiles, biopolymers, related challenges, and design and circular economy considerations. Presents the latest processing technologies for plastic waste, covering incineration and energy recovery, pyrolysis and chemical recovery, and blending. Includes practical guidance on recycling technology, supply chain management, costs, societal impact and international policy. Discusses interesting chemicals, such as the smelliest, most lethal, and most versatile, in a non-technical style that covers each chemical's importance without using formulas, equations, or diagrams. Learn the facts about recycling and discover the best way to make an impact. Recycling is a simple action we can take that has an immediate positive effect. It keeps waste out of landfills, conserves natural resources, prevents pollution, and saves energy. Who wouldn't want to do this? But recycling isn't always straightforward. With so many different rules, it can be tough to work out the right thing to do. If you're worried that you're not recycling properly, or wondering whether you could be recycling more, this is the book for you. Recycling For Dummies cuts through the confusion around what you can and can't recycle. This easy-to-follow manual breaks down recycling codes, symbols, and rules in a straightforward way that anyone can understand and apply. You'll gain insight into the recycling process (where does that stuff go, anyway?) and learn tons of tips on reusing items in your daily life to cut down on waste. It also guides you on how to make smarter choices as a consumer to help preserve the planet for generations to come. Figure out what common materials can and can't be recycled. Understand what the recycling symbols are telling you. Explore the many specialist recycling services available. Learn what happens to your recyclables after they get picked up. Become a true recycler by switching to recycled products. Check out this book if you want to make your efforts count and be part of the recycling solution.

Water Resources: Crisis, Contamination and Management, Volume Five presents new and updated material and guidance on key procedures and protocols, along with timely topics such as climate change and integrated water resources management. The book is divided into three key sections which focus on sustainable development and management of water resources and techniques and methods for improving water use efficiency, the quality of water resources, migration of pollutant sources, geochemical processes, groundwater depletion, and a consolidated and coordinated approach to find the solution to water resource issues. Case studies illustrate key points. This book presents a comprehensive overview of the field and is relevant for students, professors, scholars, researchers and consultants in the fields of water resources, civil engineering, environmental engineering and hydrology. Provides an overview of the current status of water resources utilization, the likely scenario of future demands, and the advantages and disadvantages of systems techniques. Includes numerous examples and real-world case studies. Presents the roles of remote sensing and GIS in solving the water resource crisis. "This work is focused on producing structural materials for use in low-structural applications, from EPS foam. A novel method has been developed for recycling the EPS foam."-- Abstract, p. iii. Plastics offer a variety of environmental benefits. However, their production, applications, and disposal present many environmental concerns. Plastics and the Environment provides state-of-the-art technical and research information on the complex relationship between the plastic and polymer industry and the environment, focusing on the sustainability, environmental impact, and cost—benefit tradeoffs associated with different technologies. Bringing together the field's leading researchers, Anthony Andrady's innovative collection not only covers how plastics affect the environment, but also how environmental factors affect plastics. The relative benefits of recycling, resource recovery, and energy recovery are also discussed in detail. The first of the book's four sections represents a basic introduction to the key subject matter of plastics and the environment; the second explores several pertinent

applications of plastics with environmental implications—packaging, paints and coatings, textiles, and agricultural film use. The third section discusses the behavior of plastics in some of the environments in which they are typically used, such as the outdoors, in biotic environments, or in fires. The final section consists of chapters on recycling and thermal treatment of plastics waste. Chapters include: Commodity Polymers Plastics in Transportation Biodegradation of Common Polymers Thermal Treatment of Polymer Waste Incineration of Plastics The contributors also focus on the effectiveness of recent technologies in mitigating environmental impacts, particularly those for managing plastics in the solid waste stream. Plastic and design engineers, polymer chemists, material scientists, and ecologists will find *Plastics and the Environment* to be a vital resource to this critical industry. This international symposium allowed many researchers and industrial representatives to meet and discuss a broad spectrum of information such as zero emission, resources availability, sustainable utilization of resources, bioactive and functional components in aquatic organisms, utilization of wastes, seafood quality, surimi technologies and processing and safety. The book aims: To provide a current record presented in the international symposium *More Efficient Utilization of Fish and Fisheries Products*, 7-10 October 2001, Kyoto, Japan; To provide a stimulus to researchers in this area to cross-fertilize ideas and demonstrate examples of success; To enhance values and returns to fisheries fields in national and international terms by providing descriptions of better techniques and methods for utilizing the catch, reducing waste, and providing valuable by-products. This collection gives broad and up-to-date results in the research and development of materials characterization and processing. Topics covered include characterization methods, ferrous materials, non-ferrous materials, minerals, ceramics, polymer and composites, powders, extraction, microstructure, mechanical behavior, processing, corrosion, welding, solidification, magnetic, electronic, environmental, nano-materials, and advanced materials The book explores scientific processes to characterize materials using modern technologies, and focuses on the interrelationships and interdependence among processing, structure, properties, and performance of materials. *Blowing Agents and Foaming Processes* is now the longest and most successful running conference on this subject, offering strategic insights from industry leaders within this growing market. This event is the prime opportunity to engage with those involved in the manufacturing of blowing agents, foam insulation and packaging, foam extrusion and equipment manufacture. It brings together processors, materials suppliers, resin manufacturers, academics and end-users to discuss latest developments and findings in this area. This year's conference represented a diverse and interactive agenda, with presentations from across the industry supply chain, a showcase of innovative foamed products and an exclusive live demonstration of injection moulding technology. These proceedings cover all the presentations from the two day event which illustrated the dynamic and progressive nature of this industry pushed by a challenging market with substantial and evolving requirements. *Handbook of Plastics, Elastomers, and Composite*, 4th Edition, places state-of-the-art information on plastics, elastomers, and composites at your fingertips. The revised and updated edition presents all of the fundamental information required to understand the large number of materials and material forms, and provides the necessary data and guidelines for optimal use of these materials and forms in the broad range of industrial products, ensuring the highest performance from materials. Thoroughly revised, this new edition features the latest advance in properties of plastics, elastomers, and composites while providing practical examples throughout. Thermosets, plastics in coatings and finishes, thermoplastics and plastics in packaging are covered. Reducing the amount of solid wastes in landfills is one of the main targets in nowadays wastes treatment. To this direction, there is a great need in finding of smart recycling techniques which should, as is possible, to be environmentally friendly. The intention of this book is to present some recent methods for the recycling of several materials, including plastics and wood, as well as to show the importance of composting of polymers. It targets professionals, recycling companies, researchers, academics and graduate students in the fields of waste management and polymer recycling in addition to chemical engineering, mechanical engineering, chemistry and physics. This book comprises 5 chapters covering areas such as, recycling of polystyrene, polyesters, PC, WEEE and wood waste, together with compostable polymers and nanocomposites. This timely reference on the topic is the only book you need for a complete overview of recyclable polymers. Following an introduction to various polymer structures and their resulting properties, the main part of the book deals with different methods of recycling. It discusses in detail the recycling of such common polymers as polyethylene, polypropylene and PET, as well as rubbers, fibers, engineering polymers, polymer blends and composites. The whole is rounded off with a look at future technologies and the toxicological impact of recycled polymers. An indispensable reference source for those working in the field, whether in academia or industry, and whether newcomers or advanced readers. Having a solid understanding of materials recycling is of high importance, especially due to the growing use of composites in many industries and increasingly strict legislation and concerns about the disposal of composites in landfills or by incineration. *Recycling of Plastics, Metals, and Their Composites* provides a comprehensive review of the recycling of waste polymers and metal composites. It provides the latest advances and covers the fundamentals of recycled polymers and metal composites, such as preparation, morphology, and physical, mechanical, thermal, and flame-retardancy properties. **FEATURES** Offers a state-of-the-art review of the recycling of polymer composites and metal composites for sustainability Describes a life-cycle analysis to help readers understand the true potential value and market for these recycled materials Details potential applications of recycled polymer and metal composites Includes the performance of natural fiber–reinforced recycled thermoplastic polymer composites under aging conditions and the recycling of multi-material plastics Covers recycling technologies, opportunities, and challenges for polymer-matrix composites This book targets technical professionals in the metal and polymer industries as well as researchers, scientists, and advanced students. It is also of interest to decision makers at material suppliers, recycled metal and polymer product manufacturers, and governmental agencies working with recycled metal and polymer composites. A collection of infrared and Raman spectra of 500 natural and synthetic polymers of industrial importance is presented in this book. A large variety of compounds are included, starting with linear polyolefins and finishing with complex biopolymers and related compounds. The spectra were registered using Infrared Fourier Transform Spectrometers in the laboratory of the All-Russia Institute of Forensic Sciences. The IR and Raman spectra are presented together on the same sheet. The accompanying data include general and structure formulae, CAS register numbers, and sample preparation conditions. Features of this book: • Continues the long tradition of publishing specific and standard data of new chemical compounds. • For low-molecular weight substances, complementary IR and Raman spectra are featured on the same sample and printed on the same page. This "fingerprint" data allows the substance of the sample to be identified without doubt. • An important feature of this unique collection of data is the increase in the identification precision of unknown substances. • Peak tables are available in digital (ASCII) format, on a diskette delivered with the book. This allows the user to search for unknowns.

• All the spectra in the collection are base-line corrected. This book will be of interest to scientists involved in the synthesis of new polymeric materials, polymer identification, and quality control. Libraries of scientific institutes, research centers, and universities involved in vibrational spectroscopy will also find this collection invaluable. The aim of the project is to create knowledge on how plastics recycling can increase without increasing the risk of emitting hazardous substances to the environment. The first general conclusion is that to be able to increase recycling there are measures needed at different levels. The following areas are of interest: • Legislation: new legislation is not necessary, but harmonisation and clear guidance to the existing one is. • Market: to create a market safety on content is needed. • If substances added are less hazardous the recycled raw material would be “more safe” to use. • There should be higher attention put on the knowledge of the recyclers. • Traceability and content: Further work on labelling reaching the recycle part of the value chain needs to be developed. It is also needed to develop a systematic approach towards risk assessments linked to recycling. In recent years, a considerable amount of effort has been devoted, both in industry and academia, towards the recycling and reuse of materials. Most nations are now trying to reduce the amount of waste materials, through the proper recycling of materials. Re-Use and Recycling of Materials will help readers to understand the current status in the field of waste management, as well as what research is taking place to deal with such issues. Technical topics discussed in the book include: ? Municipal solid waste management? Recycling of WEEE? Waste to industrially important product like lignin and cellulose? Recycling of agriculture waste? Polymer and plastic recycling The recycling industry will provide employment to thousands all over the country in organised waste collection, encourage the municipal corporation to upgrade their garbage collection systems for the ease of separation, encourage new investments and also help the machinery suppliers to utilise their installed facilities to manufacture sophisticated recycling lines. With consumption of plastics in the country rising manifold during recent years, plastics waste management is emerging as a parallel industry with materials valued at around Rs. 2,500 crore recycled annually. Having invaded practically every other application such as packaging, consumer durables and disposables, industrial, electronics and telecommunications, medical and health care, building and construction, plastics as a group of materials have emerged as an unavoidable component of modern life. The book 'Plastic Waste Recycling Technology' covers various methods including Introduction, Details of Polymers, Types of Plastics, Identification of Plastics, Recycling of Plastic Waste, Recycling of Thermosets, Chemical Recycling, Recycling Commodities, Recovery of Chemicals from Plastic Waste, Factors affecting recycling Process, Automatic Scrap Recycling, Reclaiming Polyamide Spin Fibres, EPS-Recycling from Post-Consumer Expanded Polystyrene, New Patented Processes, Environmental Health and Future Prospects, Recycling Polyester Resins, Polyurethane Waste Recycling, Recycling and Government Policies, Identification of Plastics, Plastics and the Environment, Recycling-An Industrial Approach, Get Virgin Quality from Reprocessed, Plastic Granules from Fresh Resin, Plastic Granules, Pet Bottle Recycling, Recycling of PVC, Recycling Techniques-The Next Generation, Quality Control Tests, Plant Economics of Phenol Formaldehyde Resin, Plant Economics of Poly Amide Resin, Plant Economics of Polyester Resins, Plant Economics of Polycarbonate Resin (All Fig. in Lacs), Plant Economics of Urea Form aldehyde Resin, Plant Economics of Acrylic Copolymer Emulsion. The book has been written for the benefit and to prove an asset and a handy reference guide in the hands of new entrepreneurs and well established industrialists The continuously increasing human population, has resulted in a huge demand for processed and packaged foods. As a result of this demand, large amounts of water, air, electricity and fuel are consumed on a daily basis for food processing, transportation and preservation purposes. Although not one of the most heavily polluting, the food industry does contribute to the increase in volume of waste produced as well as to the energy expended to do so. For the first time, nine separate food industry categories are thoroughly investigated in Waste Management for the Food Industries in an effort to help combat this already acute problem. The current state of environmental management systems is described, offering comparisons of global legislation rarely found in other resources. An extensive review of commercial equipment, including advantages and disadvantages per employed waste management technique, offers a unique perspective for any academic, student, professional, and/or consultant in the food, agriculture and environmental industries. Thoroughly examines the most prevalent and most polluting industries such as Meat, Fish, Dairy, Olive Oil, Juice and Wine industries Includes synoptical tables [methods employed, physicochemical or microbiological parameters altered after treatment etc] and comparative figures of the effectiveness of various waste management methods Contains nearly 2500 of the most up-to-date references available The past few years have witnessed an upsurge in incidences relating to food safety issues, which are all attributed to different factors. Today, with the increase in knowledge and available databases on food safety issues, the world is witnessing tremendous efforts towards the development of new, economical and environmentally-friendly techniques for maintaining the quality of perishable foods and agro-based commodities. The intensification of food safety concerns reflects a major global awareness of foods in world trade. Several recommendations have been put forward by various world governing bodies and committees to solve food safety issues, which are all mainly targeted at benefiting consumers. In addition, economic losses and instability to a particular nation or region caused by food safety issues can be huge. Various ‘non-dependent’ risk factors can be involved with regard to food safety in a wide range of food commodities such as fresh fruits, vegetables, seafood, poultry, meat and meat products. Additionally, food safety issues involves a wide array of issues including processed foods, packaging, post-harvest preservation, microbial growth and spoilage, food poisoning, handling at the manufacturing units, food additives, presence of banned chemicals and drugs, and more. Rapid change in climatic conditions is also playing a pivotal role with regard to food safety issues, and increasing the anxiety about our ability to feed the world safely. Practical Food Safety: Contemporary Issues and Future Directions takes a multi-faceted approach to the subject of food safety, covering various aspects ranging from microbiological to chemical issues, and from basic knowledge to future perspectives. This is a book exclusively designed to simultaneously encourage consideration of the present knowledge and future possibilities of food safety. This book also covers the classic topics required for all books on food safety, and encompasses the most recent updates in the field. Leading researchers have addressed new issues and have put forth novel research findings that will affect the world in the future, and suggesting how these should be faced. This book will be useful for researchers engaged in the field of food science and food safety, food industry personnel engaged in safety aspects, and governmental and non-governmental agencies involved in establishing guidelines towards establishing safety measures for food and agricultural commodities. Based on state-of-the-art science and technologies, this book disseminates the latest advancements concerning the relationship between renewable energy and climate change and presents the best practices to further utilize renewable energy for mitigation. It examines issues of climate change from different renewable energy fronts by the respective experts from around the world. While high-level and

in-depth technological advancements are judiciously presented, it also discusses different types of renewable energy and the associated technologies in consideration of the various perspectives of economy, availability, and societal implications in different regions. Features: ? Discusses the concept of leapfrogging renewable energy technologies in developing countries for the purpose of minimizing human-induced climate change impacts as rapidly as possible ? Includes various options from high technology to sustainable agriculture ? Presents and compares the latest novel and emerging potential technologies ? Outlines how to advance renewable energy by improving energy storage and optimizing financial incentives and management Renewable Energy for Mitigating Climate Change enlightens readers from a renewable energy perspective on how to best tackle the challenges of climate change. This is a must-read for senior undergraduate and graduate students in environmental studies, decision- and policymakers, educators, and every environmental steward. The interests of all stakeholders, especially future generations, form the thread connecting all the chapters together into a powerful tool to mitigate global climate change. The presently common practice of wastes' land-filling is undesirable due to legislation pressures, rising costs and the poor biodegradability of commonly used materials. Therefore, recycling seems to be the best solution. The purpose of this book is to present the state-of-the-art for the recycling methods of several materials, as well as to propose potential uses of the recycled products. It targets professionals, recycling companies, researchers, academics and graduate students in the fields of waste management and polymer recycling in addition to chemical engineering, mechanical engineering, chemistry and physics. This book comprises 16 chapters covering areas such as, polymer recycling using chemical, thermo-chemical (pyrolysis) or mechanical methods, recycling of waste tires, pharmaceutical packaging and hardwood kraft pulp and potential uses of recycled wastes.

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