



polymers



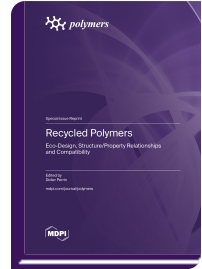
Special Issue Reprint

Recycled Polymers: Eco-Design, Structure/Property Relationships and Compatibility

www.mdpi.com/books/reprint/8671

Edited by
Didier Perrin

ISBN 978-3-7258-0002-5 (Hardback)
ISBN 978-3-7258-0001-8 (PDF)



The efficient ecodesign of secondary raw materials from recycled multiphase polymer systems is performed through the study of various things, such as:

The compatibility of mixtures of recycled polymers where work on knowledge of the miscibility of mixtures depends on the different rates and the nature of the constituents;
The aging of recycled polymers in terms of the structuring of end-of-life polymers, which may have changed their starting structure due to degradation or aging;
The compatibility of mixtures of polymers recycled by additive treatments and/or reactive pre-treatments and integration of coupling agents or reactants in situ at the interface of the mixtures; this compatibility can be linked beforehand to reactive pre-treatments (plasma, corona, heat/chemical treatments) on each of the phases.

The selection of these three themes follows a study cycle logic on the development of formulations of blends of recycled polymers, in which compatibilization affects the morphology and therefore the miscibility of blends of polymers in relation to their structure.



Order Your Print Copy
You can order print copies at
www.mdpi.com/books/reprint/8671

MDPI Books offers quality open access book publishing to promote the exchange of ideas and knowledge in a globalized world. MDPI Books encompasses all the benefits of open access – high availability and visibility, as well as wide and rapid dissemination. With MDPI Books, you can complement the digital version of your work with a high quality printed counterpart.



Open Access

Your scholarly work is accessible worldwide without any restrictions. All authors retain the copyright for their work distributed under the terms of the Creative Commons Attribution License.



Author Focus

Authors and editors profit from MDPI's over two decades of experience in open access publishing, our customized personal support throughout the entire publication process, and competitive processing charges as well as unique contributor discounts on book purchases.



High Quality & Rapid Publication

MDPI ensures a thorough review for all published items and provides a fast publication procedure. State-of-the-art research and time-sensitive topics are released with a minimum amount of delay.



High Visibility

Due to our global network and well-known channel partners, we ensure maximum visibility and broad dissemination. Title information of books is sent to international indexing databases and archives, such as the Directory of Open Access Books (DOAB), and the Verzeichnis Lieferbarer Bücher (VLB).



Print on Demand and Multiple Formats

MDPI Books are available for purchase and to read online at any time. Our print-on-demand service offers a sustainable, cost-effective and fast way to publish MDPI Books printed versions.