

1. Record Nr.	UNINA9910830328303321
Titolo	Transreactions in condensation polymers // Stoyko Fakirov (ed.)
Pubbl/distr/stampa	Weinheim, [Germany] : , : Wiley-VCH, , 1999 ©1999
ISBN	1-282-01044-1 9786612010446 3-527-61384-6 3-527-61385-4
Descrizione fisica	1 online resource (512 p.)
Disciplina	547.28 547.7 668.9
Soggetti	Polymerization Copolymers Polymers
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and indexes.
Nota di contenuto	Transreactions in Condensation Polymers; CONTENTS; Chapter 1 Interchange Reactions in Condensation Polymers and Their Analysis by NMR Spectroscopy; 1. Introduction; 2. Nuclear magnetic resonance as an analytical tool (1H, 13C, 15N and 29Si NMR); 2.1. Basics of the method; 2.2. High resolution NMR of polymers; 3. Interchange reactions involving different functional groups; 3.1. Reactions taking place in polyesters involving ester groups; 3.2. Reactions taking place in polyamides involving amine and amide groups; 3.3. Interchange reactions involving Si-O bonds 3.4. Interchange reactions involving urethane and urea groups 4. Concluding remarks; References; Chapter 2 Effects of Catalysts in the Reactive Blending of Bisphenol A Polycarbonate with Poly (alkylene terephthalate)s; 1. Introduction; 1.1. An outlook on reactive blending of polyesters and polycarbonates; 1.2. Bisphenol A polycarbonate: an overview; 1.3. Poly(alkylene terephthalate)s: an overview; 1.4. Blends of

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 2 . Control of transesterification in polyester blends

## Sommario/riassunto

The ability of condensation polymers to undergo additional chemical reactions, so-called transreactions, is really fascinating. These processes lead to novel copolymers with desired composition and sequential order, allow to enhance the compatibility and to minimize molecular weight fluctuations during polycondensation and processing and to provide for chemical healing of laminates of condensation polymers. An international team of highly reputed polymer chemists and physicists discusses here, first of all, various types of transreactions, but additional condensations are also detailed in