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Nota di contenuto	SYNDIOTACTIC POLYSTYRENE; CONTENTS; PREFACE; CONTRIBUTORS; ABOUT THE EDITOR; PART I INTRODUCTION; 1. Historical Overview and Commercialization of Syndiotactic Polystyrene; 1.1 Discovery of Syndiotactic Polystyrene (SPS); 1.2 Early Years of Development (1985-1989); 1.3 Intense Development Years (1989-1996); 1.4 Initial Commercial Launch Stage (1996-2001); 1.5 Years 2001-2007; PART II PREPARATION OF SYNDIOTACTIC POLYSTYRENE; 2. Transition Metal Catalysts for Syndiotactic Polystyrene; 2.1 Introduction; 2.2 Transition Metal Compounds; 2.2.1 Metals; 2.2.2 Titanium Complexes 2.2.3 Molecular Weight Control 2.2.4 Supported and Heterogeneous Catalysts; 2.3 Summary; References; 3. Cocatalysts for the Syndiospecific Styrene Polymerization; 3.1 Introduction; 3.2 MAO; 3.3 Boron Compounds; 3.4 Other Chemicals; 3.5 Summary; References; 4. Mechanisms for Stereochemical Control in the Syndiotactic Polymerization of Styrene; 4.1 Introduction; 4.2 Insertion of the Growing Polymer Chain into the Double Bond of Styrene; 4.3 Stereochemistry of the Styrene Insertion; 4.4 Effects of Hydrogenation of the Catalyst; 4.5 Active Site Species; 4.5.1 Valence of Active Sites 4.5.2 Number of Active Sites 4.5.3 Structure of Active Sites; 4.6

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Sommario/riassunto

Syndiotactic Polystyrene (SPS), synthesized in a laboratory for the first time in 1985, has become commercialized in a very short time, with wide acceptance on the global plastics market. Written by leading experts from academia and industry from all over the world, Syndiotactic Polystyrene offers a comprehensive review of all aspects of SPS of interest to both science and industry, from preparation and properties to applications. This essential reference to SPS covers: The preparation of syndiotactic polystyrene by half-metallocenes and other transition metal catalysts<
