Record Nr. UNINA9910809674103321 Autore Khakimullin Yuri N. **Titolo** Polysulfide oligomer sealants: synthesis, properties, and applications / / Yuri N. Khakimullin, DSc, Vladimir S. Minkin, DSc, and Timur R. Deberdeev, DSc Pubbl/distr/stampa Toronto:,: Apple Academic Press,, [2015] ©2015 **ISBN** 1-77463-345-0 0-429-17064-5 1-77188-029-5 Descrizione fisica 1 online resource (299 p.) Disciplina 620.1/99 620.199 Soggetti Oligomers Sealing compounds **Polymers** Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Translated from Russian edition published in 2007. Nota di bibliografia Includes bibliographical references at the end of each chapters. FRONT COVER: ABOUT THE AUTHORS: CONTENTS: LIST OF Nota di contenuto ABBREVIATIONS; LIST OF SYMBOLS; ABSTRACT; PREFACE; INTRODUCTION; CHAPTER 1 - SYNTHESIS, STRUCTURE AND PROPERTIES OF POLYSULFIDE OLIGOMERS; CHAPTER 2 - VULCANIZATION, COMPOSITION AND PROPERTIES OF POLYSULFIDE OLIGOMER SEALANTS; CHAPTER 3 - VULCANIZATION MECHANISMS FOR POLYSULFIDE OLIGOMERS AND THE INFLUENCE OF A VULCANIZING AGENT'S NATURE ON THE PROPERTIES OF SEALANTS; CHAPTER 4 - MODIFICATION OF THIOKOL SEALANTS; CHAPTER 5 - THE INFLUENCE OF FILLERS ON THE PROPERTIES OF POLYSULFIDE OLIGOMER SEALANTS CHAPTER 6 - TECHNOLOGICAL AND SERVICE PROPERTIES OF SEALANTS. BASED ON POLYSULFIDE OLIGOMERSBACK COVER Sommario/riassunto This valuable book is devoted to problems of the synthesis, vulcanization, modification, and study of structure and properties of

highly filled sealants based on polysulfide oligomers (PSO). The book summarizes information concerning chemistry, synthesis technology,

structure, and properties of liquid thiokols and thiokol-containing polyesters. It also presents a literary survey on chemism and mechanisms for liquid thiokols vulcanization involving oxidants or through polyaddition. The book describes formulation principles of sealants, their properties, and application areas. The book provides r