Record Nr. UNINA9911019828303321 Functional coatings: by polymer microencapsulation / / edited by **Titolo** Swapan Kumar Ghosh Pubbl/distr/stampa Weinheim,: Wiley-VCH Chichester, : John Wiley [distributor], 2006 **ISBN** 9786610723515 9781280723513 1280723513 9783527608416 3527608419 9783527608478 3527608478 Descrizione fisica 1 online resource (373 p.) Altri autori (Persone) GhoshSwapan K Disciplina 667.9 Soggetti Coatings **Polymers** Polymerization Microencapsulation 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. Nota di contenuto Functional Coatings; Table of Contents; Preface; List of Contributors; 1 Functional Coatings and Microencapsulation: A General Perspective; 1.1 An Overview of Coatings and Paints; 1.2 Classification of Coating Properties; 1.3 What are Functional Coatings?; 1.4 Types and Application of Functional Coatings; 1.4.1 Anticorrosive Coatings; 1.4.2 High Thermal-Resistant and Fire-Retardant Coatings; 1.4.3 Scratchand Abrasion-Resistant Coatings; 1.4.4 Self-Cleaning Coatings; 1.4.5 Antibacterial Coatings; 1.4.6 Antifouling Coatings; 1.5 Microencapsulation; 1.6 Microcapsules

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Sommario/riassunto

This first book to concentrate on providing a concise, representative overview of polymer microencapsulation for novel organic coatings and all its chemical and engineering aspects collates the literature hitherto spread out among journals in various disciplines. It covers all the important methods for carrying out microencapsulations, including in situ polymerization, phase separation, emulsification, grinding and spray drying. The result is a solid, introduction from first-hand practitioners working in industry and research institutions for newcomers to the field. It is equally vital reading