

1. Record Nr.	UNINA9910143562303321
Titolo	Organic coatings [[electronic resource]] : science and technology // Zeno W. Wicks, Jr ... [et al.]
Pubbl/distr/stampa	Hoboken, N.J., : Wiley-Interscience, c2007
ISBN	0-470-07907-X 1-280-82185-X 9786610821853 0-470-07906-1
Edizione	[3rd ed.]
Descrizione fisica	1 online resource (748 p.)
Altri autori (Persone)	WicksZeno W
Disciplina	667.9 667/.9
Soggetti	Plastic coatings
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Previous ed. cataloged as: Organic coatings : science and technology / Zeno W. Wicks, Jr., Frank N. Jones, and S. Peter Pappas.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	What are Coatings? -- Polymerization and Film Formation -- Flow -- Mechanical Properties -- Exterior Durability -- Adhesion -- Corrosion Protection by Coatings -- Acrylic Resins -- Latexes -- Polyester Resins -- Amino Resins -- Binders Based on Isocyanates: Polyurethanes -- Epoxy and Phenolic Resins -- Drying Oils -- Alkyd Resins -- Silicon Derivatives -- Other Resins and Cross-linkers -- Solvents -- Color and Appearance -- Pigments -- Pigment Dispersion -- Effect of Pigments on Coating Properties -- Application Methods -- Film Defects -- Solventborne and High Solids Coatings -- Waterborne Coatings -- Electrodeposition Coatings -- Powder Coatings -- Radiation Cure Coatings -- Product Coatings for Metal Substrates -- Product Coatings for Nonmetallic Substrates -- Architectural Coatings -- Special Purpose Coatings -- Perspectives on Coating Design.
Sommario/riassunto	Third Edition brings acclaimed textthoroughly up to date with the latestorganic coatings technology Organic Coatings, Third Edition is an unparalleled reference and text for organic coatings technology and its myriad applications. It begins with discussions of key principles of coatings, then thoroughly explores raw materials, physical concepts,

formulations, and applications. Scientists, engineers, and paint formulators all gain a deeper understanding of the principles underlying the technology and learn how to use these principles in the development, production, and applicati
