

1. Record Nr.	UNINA9910830654203321
Titolo	Adhesive bonding : materials, applications and technology / / Walter Brockmann [and three others] ; translated by Bettina Mikhail
Pubbl/distr/stampa	Weinheim, [Germany] : , : Wiley-VCH Verlag GmbH & Co. KGaA, , 2009 ©2009
ISBN	1-282-02142-7 9786612021428 3-527-62392-2 3-527-62393-0
Descrizione fisica	1 online resource (434 p.)
Disciplina	620.199
Soggetti	Adhesives Adhesion
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 and index.
Nota di contenuto	Adhesive Bonding Materials, Applications and Technology; Contents; Preface; List of Contributors; 1 Adhesive Bonding as a Joining Technique; 2 The Historical Development of Adhesive Bonding; 3 Adhesion; 3.1 Introduction; 3.2 Classical Adhesion Theories; 3.2.1 Polarization Theory; 3.2.2 Diffusion Theory; 3.2.3 Chemical Reactions; 3.3 Adhesion in Real Systems; 3.3.1 Gold; 3.3.2 Polyethylene and Polypropylene; 3.3.3 Glass; 3.4 New Concepts in the Field of Adhesion; 3.5 Conclusions; 4 Survey and Classification of Adhesives and Primers; 4.1 Noncuring (Pressure-Sensitive) Adhesives 4.2 Physically Setting Adhesives 4.2.1 Contact Adhesives; 4.2.2 Plastisol Adhesives; 4.2.3 Hot-Melt Adhesives; 4.3 Chemically Setting Adhesives; 4.3.1 Two-Part Adhesives; 4.3.2 Hot-Setting, One-Part Adhesives; 4.3.3 Cold-Setting, One-Part Adhesives; 4.3.4 Microencapsulated Adhesives; 4.4 Primers; 4.5 General Handling Instructions; 5 Chemistry and Properties of Adhesives and Primers; 5.1 Pressure-Sensitive Adhesives (PSAs); 5.1.1 Introduction; 5.1.2 Chemistry of Pressure-Sensitive Adhesives; 5.1.3 Physical Properties of Pressure-Sensitive Adhesives

5.1.4 Properties of Pressure-Sensitive Adhesives as a Function of Temperature; 5.1.5 Tack; 5.1.6 Peel Resistance; 5.1.7 Creep; 5.1.8 Formulations of PSAs; 5.1.8.1 Typical Formulation of Natural Rubber-Based PSAs; 5.1.8.2 Typical Formulation of Block Copolymer PSAs; 5.1.8.3 Typical Formulation of Acrylate-Based PSAs; 5.2 Contact Adhesives; 5.2.1 Composition of Contact Adhesives; 5.2.2 Properties and Fields of Application of Contact Adhesives; 5.3 Hot Melts; 5.3.1 Thermoplastic Hot Melts; 5.3.2 Hot-Seal Adhesives; 5.3.3 Plastisols; 5.3.4 Self-Bonding Varnishes
5.3.5 Polyurethane-Based Reactive Hot Melts; 5.3.6 Epoxy Resin-Based Reactive Hot Melts; 5.3.7 Trends in Hot-Melt Technology; 5.4 Phenolic Resin Adhesives; 5.4.1 Chemistry of Phenolic Resins; 5.4.2 Formulation of Phenolic Resin Adhesives; 5.4.3 Behavior and Applications of Phenolic Resin Adhesives; 5.5 Epoxy Resin Adhesives; 5.5.1 Chemistry of Epoxy Resin Adhesives; 5.5.2 Reactions of Epoxy Resins; 5.5.3 Properties of Epoxy Resin Adhesives; 5.5.4 Formulations of Epoxy Resin Adhesives; 5.5.4.1 Epoxy Resins; 5.5.4.2 Crosslinking Agents; 5.5.4.3 Hardeners
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5.7.1.1 Solvent-Containing Acrylates

Sommario/riassunto

Both solid knowledge of the basics as well as expert knowledge is needed to create rigid, long-lasting and material-specific adhesions in the industrial or trade sectors. Information that is extremely difficult and time-consuming to find in the current literature. Written by specialists in various disciplines from both academia and industry, this handbook is the very first to provide such comprehensive knowledge in a compact and well-structured form. Alongside such traditional fields as the properties, chemistry and characteristic behavior of adhesives and adhesive joints, it also trea
