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Nota di contenuto	Adhesives and Adhesive Tapes; Contents; 1. Adhesives; 1.1. Introduction; 1.2. Adhesion Theories; 1.3. Definitions; 1.4. Raw Materials for Adhesives; 1.5. Classification of Adhesives; 1.6. Individual Adhesive Systems; 1.6.1. Adhesives That Set Without a Chemical Reaction; 1.6.1.1. Solvent-Free Adhesive Systems; 1.6.1.2. Adhesive Solutions from Which the Solvents Escape before Bonding; 1.6.1.3. Adhesive Solutions from Which the Solvents Evaporate during Bonding; 1.6.1.4. Aqueous Emulsions of Polymeric Compounds; 1.6.2. Adhesives Setting by Chemical Reaction 1.6.2.1. Adhesives Setting by Polymerization 1.6.2.2. Adhesives Setting by Polyaddition; 1.6.2.3. Adhesives Setting by Polycondensation; 1.6.2.4. Vulcanizing Adhesives; 1.6.2.5. Ultraviolet/Electron Beam (UV/EB) Curing Adhesives; 1.6.2.6. Conductive Adhesives; 1.7. Bonding Techniques; 1.8. Testing of Adhesives; 1.9. Applications of Adhesives; 1.9.1. Bookbinding; 1.9.2. Adhesives for Packaging and Packaging Materials; 1.9.3. Nonwovens Hygiene Industry; 1.9.4. Hygienic Papers; 1.9.5. Gluing of Wood and Wooden Materials; 1.9.6. Footwear

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Sommario/riassunto

Adhesion is among the oldest technologies known to mankind, but the technology of adhesives began to boom with the developments in chemistry in the early 1900s. The last few years have seen tremendous progress in the performance of adhesives, allowing two pieces to be connected inseparably. Modern adhesives perform so well that more sophisticated joining methods, e.g. welding, can often be replaced by adhesion, meaning that adhesives have found new areas of application. This book allows readers to quickly gain an overview of the adhesives available and to select the best adhesive for each p
