Record Nr. UNINA9910877327003321 Nonwoven fabrics / / edited by Wilhelm Albrecht, Hilmar Fuchs, Walter **Titolo** Kittelmann Pubbl/distr/stampa Weinheim,: Wiley-VCH, 2003 **ISBN** 1-280-52040-X 9786610520404 3-527-60531-2 3-527-60334-4 Edizione [[New, updated, extended ed.].] 1 online resource (774 p.) Descrizione fisica AlbrechtW <1927-> (Wilhelm) Altri autori (Persone) **FuchsHilmar** KittelmannWalter LunenschlossJ <1922-> (Joachim) Disciplina 677/.6 Soggetti Nonwoven fabrics Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Rev. ed. of Vliesstoffe, which was published in English as Non-woven Note generali bonded fabrics (1985) and edited by J. Lunenschloss and W. Albrecht. Nota di bibliografia Includes bibliographical references and indexes. Nota di contenuto Nonwoven Fabrics; Foreword; Preface; Contents; 0 Introduction to nonwovens; 0.1 Definition of nonwovens; 0.2 Nonwoven manufacturing processes; 0.3 Nonwoven properties and applications, including environmental considerations; 0.4 Development of the nonwovens industry; 0.5 Future perspectives; Part I Raw materials for the production of nonwovens; 1 Fibrous material; 1.1 Natural fibres; 1.1.1 Vegetable fibres; 1.1.2 Animal fibres; 1.2 Chemical fibres; 1.2.1 Chemical fibres made from natural polymers: 1.2.2 Man-made fibres from synthetic polymers: 1.2.3 Modification of synthetic fibres 1.3 Other fibres made in industrial processes 1.3.1 Glass fibres; 1.3.2 Silicate fibres; 1.3.3 Carbon fibres; 1.3.4 Boron fibres; 1.3.5 Metal fibres; 1.4 Reclaimed fibres; 1.4.1 Basics; 1.4.2 Making textile waste into reclaimed fibres; 1.4.2.1 Pre-treatment; 1.4.2.2 Principle of reclaiming; 1.4.2.3 Subsequent treatment; 1.4.3 Reclaimed fibre quality; 1.4.4 Reclaimed fibre application; 2 Other raw materials; 2.1

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## Sommario/riassunto

From the utilization of textile waste to the high-tech product - this is how modern nonwovens can best described. Web formation and web bonding processes have recently being enhanced. Nowadays, fibres, granulates, binder and finishing agents are used. This development entails a wider range of applications in the fields of hygiene, medicine, the garment-producing and building industries, interior design as well as further technical uses. This book provides comprehensive information about nonwovens, from the raw material fibres via the manufacturing processes to finishing and to the