1. Record Nr. UNINA9910271027003321 Autore Burkinshaw Stephen M. **Titolo** Physico-chemical aspects of textile coloration / / Stephen M. Burkinshaw West Sussex, England:,: Wiley,, 2016 Pubbl/distr/stampa ©2016 **ISBN** 1-118-72563-8 Descrizione fisica 1 online resource (645 p.) Collana SDC-Society of Dyers and Colourists Disciplina 667/.2Dyes and dyeing - Textile fibers Soggetti Color in the textile industries - Standards Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia "Published in association with the Society of Dyers and Colorists Series Note generali Editor: Andrew Filarowski"--Cover. Includes bibliographical references and indexes. Nota di bibliografia Nota di contenuto Title Page; Copyright Page; Contents; Society of Dyers and Colourists; Preface; Chapter 1 Fundamental Aspects of Textile Fibres; 1.1 Textiles; 1.1.1 Yarn; 1.1.2 Fabric (e.g. [31-39]); 1.1.3 Textile Markets; 1.2 Textile Fibres; 1.2.1 Textile Fibre Classification; 1.2.2 Textile Usage; 1.2.3 The History and Development of Textile Fibres; 1.2.4 Textile Polymers: 1.2.5 Textile Fibre Morphology and Fine Structure: 1.3 General Physical and Mechanical Characteristics of Textile Fibres; 1.3.1 Length; 1.3.2 Fineness; 1.3.3 Twist; 1.3.4 Fibre Specific Surface Area, Sm or Sv: 1.3.5 Cross-Sectional Shape 1.4 Properties of Textile Fibres 1.4.1 Mechanical Properties: 1.4.2 Thermal Properties; 1.4.3 Optical Properties; References; Chapter 2 Dyes; Introduction; 2.1 Dyes; 2.1.1 Historical Aspects; 2.1.2 Classification of Colorants; 2.1.3 Colour and Constitution; 2.1.4 Commercial Dye Forms; 2.1.5 Commercial Dye Names; 2.1.6 Global Dye Consumption; References; Chapter 3 The Role of Water in Aqueous Dyeing: Introduction: 3.1 Water Structure: 3.2 Water Availability and Global Consumption; 3.2.1 Water Footprint; 3.3 Water Use in Dyeing; 3.3.1 Water Used in Cotton Production 3.3.2 Water Used in Fibre Processing 3.3.3 Water Used in Dyeing; 3.4

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