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	Descrizione fisica	1 online resource (315 p.)
	Collana	Woodhead Publishing Series in Textiles
	Altri autori (Persone)	HollickL WilsonD K
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Nota di contenuto	<p>Front Cover; Yarn Texturing Technology; Copyright Page; Table of Contents; Preface; About the authors; Chapter 1. The origins of texturing; 1.1 Introduction; 1.2 Twist-texturing; 1.3 Jet-screen texturing: BCF yarns; 1.4 Air-jet texturing; 1.5 The future; Chapter 2. Scientific and engineering principles in twist-texturing; 2.1 Introduction; 2.2 Fibre science: Heat-setting; 2.3 Mechanics of twisting; 2.4 Structural mechanics of twisted yarns; 2.5 False-twist texturing process; 2.6 Twisting, bending and buckling; 2.7 Variability Chapter 3. Scientific and engineering principles in other texturing processes3.1 Introduction; 3.2 Bending, buckling and setting; 3.3 Air-jet texturing; Chapter 4. False-twist process; 4.1 Introduction; 4.2 Draw-texturing machine; 4.3 Process variables; 4.4 Package dye yarns; 4.5 Machine types and variations; 4.6 Plant environment and operating procedures; 4.7 Safety; 4.8 Product integrity; Chapter 5. False-twist textured yarns; 5.1 Introduction; 5.2 Definition of yarn type; 5.3 Modification of yarn properties; 5.4 Spun-dyed yarns; 5.5 Common modified polymers</p> <p>5.6 Composite or combination yarns5.7 Oops! What went wrong?; Chapter 6. BCF processes and yarns; 6.1 Introduction; 6.2 BCF draw-texturing machine; 6.3 Process variables; 6.4 BCF yarns; 6.5 Modification of yarn properties during draw-texturing; Chapter 7. Air-jet texturing and yarns; 7.1 Introduction; 7.2 Air-jet texturing machine; 7.3 Process variables; 7.4 Air-jet textured yarns; Chapter 8. Quality assurance; 8.1 Introduction; 8.2 Raw materials; 8.3 Quality assurance of textured yarn; 8.4 Visual inspection prior to despatch; Chapter 9. Textile yarn logistics; 9.1 Introduction; 9.2 Handling</p> <p>9.3 Internal transport systems9.4 Packing line; 9.5 Yarn packaging; 9.6 Warehousing; 9.7 Product logging; 9.8 Load planning; Chapter 10. Retrospect and prospect; 10.1 Introduction; 10.2 Past technologies; 10.3 Current technology; 10.4 Related technology; 10.5 New research and development; Appendix 1: Textured condition reference chart; Appendix 2: Machine speed and general calculations; Bibliography; Index</p>
Sommario/riassunto	<p>Texturing is increasingly important in textile production, not only in yarns for weaving and knitting fashion products, but also for carpets, furnishing fabrics and a variety of technical textiles. This book covers all the major techniques including twist-texturing, jet-screen texturing, false-twist process, BCF processes and air-jet texturing are in detail. Combining a comprehensive review of the physics and chemistry of texturing with a thorough, illustrated description of current practice, this book is invaluable for yarn and fabric manufacturers, textile scientists and students on textile</p>