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5.2 Definitions; 5.3 Force elongation curve; 5.4 Factors affecting tensile testing; 5.5 Fibre strength; 5.6 Yarn strength; 5.7 Fabric strength; 5.8 Tear tests; 5.9 Bursting strength; 5.10 Stretch and recovery properties; 5.11 Seam strength; General reading; References
Chapter 6. Dimensional stability 6.1 Introduction; 6.2 Methods of measuring dimensional stability; General reading; References; Chapter 7. Serviceability; 7.1 Introduction; 7.2 Snagging; 7.3 Pilling; 7.4 Abrasion resistance; 7.5 Wearer trials; References; Chapter 8. Comfort; 8.1 Introduction; 8.2 Thermal comfort; 8.3 Moisture transport; 8.4 Sensorial comfort; 8.5 Water absorption; 8.6 Water repellency; References; Chapter 9. Colour fastness testing; 9.1 Introduction; 9.2 Outline of colour fastness tests; References; Chapter 10. Objective evaluation of fabric handle; 10.1 Handle
10.2 Kawabata system 10.3 FAST: Fabric Assurance by Simple Testing; General reading; References; Chapter 11. Quality; 11.1 Definitions of quality; 11.2 Types of quality; 11.3 Quality control; 11.4 Quality assurance; 11.5 ISO 9000; 11.6 Textile product labelling; References; Appendix: Conversion factors; Index

Sommario/riassunto

This book examines the physical testing of textiles in the form of fibre, yarn and fabric, the emphasis throughout being on standard and reproducible tests. After an introductory explanation of sampling and measurement, the author explores the effects of moisture on textiles, then goes on to discuss fibre dimension, yarn tests for linear density, twist, evenness and hairiness, tensile strength, and dimensional stability and serviceability. Also covered are aspects of comfort and fabric handle, colour fastness and quality assurance. The book's comprehensive coverage of the physical properties of
