



MANUFACTURING AND PRODUCTION

Textile Testing and Fabric Performance Standards

3 day course

Classroom, online or in-house

Course overview

A fabric that passes on the supplier's certificate and fails in the buyer's laboratory usually failed on conditioning, sample selection or a method read differently at each end. This course removes that ambiguity. Delegates work through atmospheric conditioning and why results are not comparable without it, then through sampling that represents a consignment rather than its best roll. Physical testing is covered: mass per unit area, thickness, tensile and tear strength, bursting strength, seam slippage and abrasion resistance. Dimensional stability to washing follows. Colour fastness is addressed across washing, rubbing, light and perspiration, with the grey scale assessment each uses. Pilling, snagging and appearance retention are covered. Performance requirements including water repellency and flammability are addressed. Interpreting a standard and the difference between test method and performance specification follow. The course closes on laboratory quality, on reporting and on resolving a dispute between two laboratories.

What you will learn

- Condition and sample so results are comparable and representative
- Run mass, thickness, tensile, tear and bursting tests
- Assess seam slippage and abrasion resistance
- Test dimensional stability to washing
- Assess colour fastness using grey scales
- Evaluate pilling, appearance retention and functional performance
- Distinguish test method from performance specification and resolve disputes

Who should attend

- Textile laboratory technicians and managers
- Quality assurance staff in fabric and garment manufacture
- Buying office technologists
- Product developers specifying fabric performance
- Staff preparing a laboratory for accreditation

Course outline

- 01 Passing at one end, failing at the other
- 02 Conditioning and comparability
- 03 Sampling a consignment
- 04 Mass, thickness, tensile and tear testing
- 05 Bursting, seam slippage and abrasion
- 06 Dimensional stability to washing
- 07 Colour fastness and grey scales
- 08 Pilling, functional performance, standards and disputes

Upcoming dates



Dates	Venue	Format	Fee per delegate
14 to 16 October 2026	Lusaka, Zambia	Classroom	USD 995
19 to 21 October 2026	Harare, Zimbabwe	Classroom	USD 995
28 to 30 October 2026	Online	Online	R6,500
9 to 11 November 2026	Durban, South Africa	Classroom	R14,950

Fees and how to register

This 3 day course is **R6,500** per delegate online, **R14,950** in the classroom in South Africa, Botswana, Namibia, Lesotho and Eswatini, and **USD 995** in the classroom elsewhere in Africa. In-house training is quotation on request. Book 2 or more delegates on this course and save 10%.

To register or request an in-house proposal, visit www.afrisciencegroup.com, email info@afriScience.co.za, or WhatsApp us on **+27 63 479 1136**.

AfriScience Group | +27 61 536 6531 | info@afriScience.co.za | Pretoria, Gauteng, South Africa