

# Round Robin Test

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- ✓ Certified quality assurance
  - ✓ International participation and comparison with 25 countries worldwide
  - ✓ Accredited proficiency testing provider (ISO 17043)
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Regularly conducted round robin tests are an important monitoring tool both for a certified quality assurance system and for in-house solutions. Round robin tests enable systematic sources of error to be identified and the necessary corrective action to be taken.

## The advantages in summary:

- Boosts confidence in the informative value and accuracy of test results
- Promotes confidence in customers and suppliers
- Cost savings as a result of fewer repeat tests
- Reproducibility and comparability of results
- Supports the in-house quality assurance system

TESTEX is accredited under ISO 17043 and organises the following round robin tests:

### Yarn round robin test

Dispatch of samples for testing the following parameters:

- Yarn count
- Yarn twist
- Tenacity : CRE 20 sec, CRE 500mm/min, CRE 5000mm/min
- Tenacity : USTER TENSOJET
- Lea test
- Evenness (capacitive and optical)
- Yarn hairiness (count and index)
- Yarn friction

**Test material:** yarn on five cones, mostly cotton, count approx. Ne 30 - 110

**Conducted:** annually

### Colour fastness round robin test

Dispatch of samples to test the following colour fastnesses:

- Fastness to washing, ISO 105-C06/C25, ISO 105-C08
  - Fastness to perspiration, ISO 105-E04
  - Fastness to water, ISO 105-E01
  - Fastness to rubbing, ISO 105-X12
  - Fastness to dry cleaning, ISO 105-D01
  - Fastness to light, ISO 105-B02
  - Paper samples for visual and/or colorimetric assessment
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## FACTSHEET

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**Test material:** 6 samples of woven or knitted fabrics (already cut) or yarn,  
2 paper samples for assessment only

**Conducted:** 3 times a year

### Fabric properties round robin test

Dispatch of samples for the following tests:

- Weight and construction of fabric
- Tensile properties – strip method, ISO 13934-1
- Tensile properties – Grab method, ISO 13934-2
- Tear resistance, Elmendorf method, ISO 13937-1
- Tear resistance, trouser-shape method, ISO 13937-2
- Tear resistance, wing-shape method, ISO 13937-3
- Bursting strength and bursting height, ISO 13938-2
- Seam slippage strength, ISO 13936-1 and ISO 13936-2
- Abrasion resistance, Martindale method, ISO 12947-2
- Pilling propensity, Martindale method, ISO 12945-2
- Pilling propensity, pilling box, ISO 12945-1
- Dimensional change at washing, ISO 5077/6330

**Test material:** practice-related samples in widely differing qualities

**Conducted:** annually

### Function round robin test

Dispatch of samples for the following tests:

- Resistance to water penetration, ISO 811
- Water vapour resistance, ISO 11092
- Thermal resistance, ISO 11092
- Permeability to air, ISO 9237
- Colour measurement background material, EN ISO 20471:2013
- Electrostatic properties, EN 1149-1 and EN 1149-3
- Protective clothing: protection against heat and flames, test method for limited flame spread, ISO 15025

**Test material:** practice-related samples in widely differing qualities

**Conducted:** annually

The annual timetable with dispatch dates and the current status of the round robin tests as well as application forms and current prices can be found on our website.

### More information

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