



# Textile Product catalogue 2017

Your laboratory  
quality for:

- **Fabric properties**
- **Functional properties**
- **Colour fastness**
- **Quantitative  
determination of a fibre  
blend**

## **International suitability tests**

**In cooperation with QuoData certified -  
The pioneer of proficiency testing statistics methodology**

**Quality program for textiles  
according to DIN | ISO | EN**

# Kunststoff-Institut Lüdenscheid - The supplier for plastics proficiency testing

## More than 15 years of professional experience

The Kunststoff-Institut Lüdenscheid has been an established supplier of interlaboratory proficiency tests for many years. The suitability tests are carried out according to the specifications of DIN EN ISO / IEC 17043 in cooperation with QuoData GmbH, and they are supported by our laboratory accredited according to DIN EN ISO 17025.

For the exchange and evaluation of the data, including homogeneity and stability tests as well as the issuing of certificates, we make use of a software system that is established and validated on the market and equipped with the possibility of a comfortable online data interface.



## Your benefit

Our trials cover a wide range of tests and analyses on samples in the textile sector.

- Tailor-made ring trials due to the highest competence in plastics
- high-quality specimen material, tested according to DIN ISO 13528 and relevant for practical purposes
- Responsible and exact evaluations with certificates by QuoData GmbH
- Participation in proficiency tests are prescribed for laboratories that are accredited according to DIN EN ISO 17025

Your advantages:

- Cost-efficient, neutral quality assurance of your laboratory
- Proof of self-competence against third parties
- Reduction of complaints by means of detailed knowledge of the repeat and comparative precision
- Analysis of weak points for preventive avoidance of complaints

Your bonus: Quick and competent help in case of deviations!



## Statistical methods

Regarding the evaluation of data, depending on the type of its distribution, we work on the basis of DIN ISO 13528, normally with the robust statistical methodology Q/Hampel. Only in exceptional cases, a conventional statistical methodology with outlier elimination is applied. The laboratory quality is assessed on the basis of so-called z- and  $z_u$ -scores. At the outset of each trial, the statistical methodology is accurately defined and documented - thus, an objective and neutral assessment is ensured.



## Registration/information

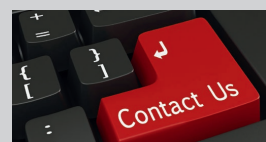
The following pages can be used as a registration form or you can download them on our homepage: **[www.proficiency-test.info](http://www.proficiency-test.info)**

Your contact person for further information:

Dr. Andreas Balster

+49 2351 1064-801

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# Registration for the Proficiency Test 2017



## Textile:

**Fabric properties:**  
(participation fee: € 190.00 for each method)

- |                   |                          |     |  |
|-------------------|--------------------------|-----|--|
| EN 12127 ISO 3801 | <input type="checkbox"/> | 401 | Mass per unit area of polyester and viscose (both climates 23/50 and 20/65 possible) |
| ISO 9073-2        | <input type="checkbox"/> | 402 | Thickness of nonwovens   |
| ISO 13934-1       | <input type="checkbox"/> | 403 | Tensile properties - strip method  |
| ISO 13934-2       | <input type="checkbox"/> | 409 | Tensile properties - grab method   |
| ISO 13937-1       | <input type="checkbox"/> | 410 | Tear properties - Elmendorf method   |
| ISO 13937-2       | <input type="checkbox"/> | 404 | Tear properties - trouser shaped specimens   |
| ISO 13937-3       | <input type="checkbox"/> | 411 | Tear properties - wing shaped specimens  |
| ISO 12947-2       | <input type="checkbox"/> | 405 | Abrasion resistance - Martindale   |
| ISO 12945-1       | <input type="checkbox"/> | 412 | Pilling properties - Pilling box   |
| ISO 12945-2       | <input type="checkbox"/> | 406 | Pilling properties - Martindale  |
| ISO 13936-1/-2    | <input type="checkbox"/> | 413 | Slippage resistance of yarns   |
| ISO 13938-2       | <input type="checkbox"/> | 414 | Bursting strength and Bursting distension  |
| ISO 3071          | <input type="checkbox"/> | 407 | PH value of textiles   |
| ISO 11357-3       | <input type="checkbox"/> | 408 | DSC: Melt temperature and enthalpy (woven goods)                                     |

## Functional properties:

(participation fee: € 190.00 for each method)

- |                               |                          |     |  |
|-------------------------------|--------------------------|-----|--|
| Diffus 8°-Geometrie nach Ganz | <input type="checkbox"/> | 421 | Colour measurement - $\Delta E^*$ , $\Delta L^*$ , $\Delta a^*$ , $\Delta b^*$ |
| EN 20811                      | <input type="checkbox"/> | 422 | Whiteness measurement  |
| ISO 9073-12                   | <input type="checkbox"/> | 423 | Hydrostatic pressure test  |
| ISO 5077 ISO 6330             | <input type="checkbox"/> | 424 | Demand absorbency  |
| ISO 15797                     | <input type="checkbox"/> | 425 | Dimensional change in washing (drying method F)                                |
|                               | <input type="checkbox"/> | 426 | Industrial washing and colour change (method 2 peracetic acid bleach)          |
| ISO 9237                      | <input type="checkbox"/> | 427 | Permeability of fabrics to air   |
| DIN 75200 FMVSS 302           | <input type="checkbox"/> | 428 | Burning rate of textiles   |

## Colour fastness::

(participation fee: € 190.00 for each method)

- |                 |                          |     |   |
|-----------------|--------------------------|-----|---|
| ISO 105-B02     | <input type="checkbox"/> | 431 | Colour fastness to light - Xenon arc    |
| ISO 105-B04     | <input type="checkbox"/> | 432 | Colour fastness to light - Xenon arc    |
| ISO 105-C06/C2S | <input type="checkbox"/> | 433 | Colour fastness to washing 60°          |
| ISO 105-X12     | <input type="checkbox"/> | 434 | Colour fastness to rubbing - Crockmeter |
| ISO 105-C08     | <input type="checkbox"/> | 435 | Colour Fastness to washing              |
| ISO 105-D01     | <input type="checkbox"/> | 436 | Colour Fastness to dry cleaning         |
| ISO 105-E01     | <input type="checkbox"/> | 437 | Colour Fastness to water                |
| ISO 105-E04     | <input type="checkbox"/> | 438 | Colour Fastness to perspiration         |

## Schedule 2017

### Registration Deadline:

21 March 2017

### Sample shipment:

27-28 April 2017

### Reporting Deadline:

07 July 2017

Dr. Andreas Balster

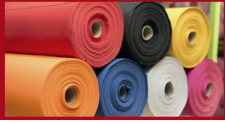
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For selected Proficiency Tests jobs were subcontracted to Application Lab Weber & Leucht.



# Registration for the Proficiency Test 2017



## Textile:

Quantitative determination of a fibre blend:  
(participation fee: € 190.00 for each method)

- ISO 1833-11  441 Polyester fibres/cotton (method using sulfuric acid)  
ISO 1833-12  442 Acrylic fibres/other fibres  
(method using dimethylformamide)  
ISO 1833-4  443 Protein fibres/other fibres (method using hypochlorite)  
ISO 1833-6  444 Viscose fibres/other fibres  
(method using formic acid and zinc chloride)  
ISO 1833-7  445 Polyamide fibres/other fibres (method using formic acid)

## Schedule 2017

**Registration Deadline:**  
21 March 2017  
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07 July 2017

Dr. Andreas Balster  
+49 2351 1064-801  
balster@kunststoff-institut.de

Sample shipment: shipment dates: see above

Registration by e-mail:  
**balster@kunststoff-institut.de**

Hereby we confirm obligatorily the participation in the above mentioned test(s).

Participation fee	report by post	report by email
please mark with a cross		
each test method	240 €	190 €
at least 4 standard methods	210 €	170 €
at least 8 standard methods	190 €	150 €

All above-quoted prices shall be net, plus value-added tax (VAT)

\_\_\_\_\_ company  
\_\_\_\_\_ additional line  
\_\_\_\_\_ contact person  
\_\_\_\_\_ street  
\_\_\_\_\_ post code / city / country  
\_\_\_\_\_ email  
\_\_\_\_\_ VAT-ID (EU)

Date \_\_\_\_\_

For selected Proficiency Tests jobs were subcontracted to Application Lab Weber & Leucht.



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