

ZIMMER + ROHDE GmbH
 Zimmersmühlenweg 14-18
61440 Oberursel / Taunus

Textilforschungsinstitut
 Thüringen-Vogtland e. V.
 Akkreditierte Prüfstelle

Zeulenrodaer Str. 42
 07973 Greiz – Germany

Test report 395/2/25

Ha

23/01/2026

page 1 of 2

Customer: Ms. Meike Ludwig
 Assignment from: 09/12/2025
 Received: 10/12/2025

Assignment:

No.	Test	Standard Test conditions
1.	Abrasion resistance of fabrics by Martindale method – Part 2: Determination of specimen breakdown	DIN EN ISO 12947-2:2017-03 (procedure) [accredited test method] DIN EN 14465:2006-09 (evaluation) Abradant: abradant fabric according to DIN EN ISO 12947-1 (wool) Nominal pressure: 12 kPa

Sample:

1 upholstery fabric

Coding for test	Identification by customer
Sample 1	Article 15533

Sampling: The samples were taken by the customer.

Realisation of the test:

The measurement samples were taken and tested in compliance with the above-mentioned regulations.

Testing period: 10/12/2025 - 21/01/2026

Durch die DAkkS
 Deutsche Akkreditierungsstelle GmbH
 akkreditiertes Prüflaboratorium

In der Anlage zur Akkreditierungsurkunde sind alle akkreditierten Prüfverfahren aufgeführt. Auf Wunsch wird die Urkunde zugestellt.



Test results:

1. Abrasion resistance

Sample 1

at 3,000 rubs	pole fibres are slightly crushed, change in colour: grade 4 threads are slightly scrubbed at the flat area, change in colour: grade 3-4
at 25,000 rubs	pole fibres are heavily abraded no thread is destroyed at the flat area
at 30,000 rubs	pole fibres are heavily abraded 3 threads are destroyed in the flat area
at 50,000 rubs	pole loops are heavily abraded More than 3 threads are destroyed at the flat area
at 100,000 rubs	pole loops are heavily abraded, but no completely abraded no thread are destroyed if there is slightly flat areas

The grade 5 represents the best grade and the grade 1 the worst grade when evaluating the change in colour.

The more flat areas there are, the faster the sample is destroyed.

The evaluated abrasion interval is 25,000 rubs.

For the classification according to DIN EN 14465, the pole or the number of destroyed threads is evaluated. 3 threads must be destroyed or if the pole is abraded. Depending on what happens first.

The quoted result shall be defined as the lowest individual test result of all test specimen tested.

The fabric can be classified in **category B** according to DIN EN 14465 with regard to abrasion resistance.

Enclosed you will find test samples of each of the specified number of rubs.

The testing results are exclusively related to the sample under conditions as received.

Without written permission of the testing laboratory it is inhibited to copy this report partially.

S. Haase

S. Haase
Head of the Testing Centre

Enclosure: stressed test samples abrasion