

Investigation report

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Date: 26.11.2018

Investigation report No. 18-E-623

order description: **Pilling test according to DIN EN ISO 12945-2 (2000-11) Part 2 - Modified Martindale method taking into account the furniture fabric standard DIN EN 14465 (2006-09);**
Seam slippage resistance DIN EN ISO 13936-2 (2004-07)

sample: 600033 Fanello
sampling: by orderer
orderer: see address
date of order: 16.10.2018
date of delivery: 22.10.2018
date of testing: 21.11.2018
number of pages: 3

Remark:

The results are valid only for the tested object. The accreditation applies for the methods listed in the annex to the certificate D-PL-17323-01-00. Accredited test methods are underlined. The valuations and Interpretations in the investigation report are not subject to accreditation. Tests conducted through co-operation partners are marked with °. The content of this investigation report will not be passed to third persons without written approval of the orderer. The partial publication of the test report, as well as the usage for commercial process, is only allowed with a permission of the DELCOTEX Delius Techtex GmbH & Co. KG. Remnants of test material will be destroyed after 3 months. Previously stated specifications / data sheets / certificates are only characters and no warranties. Also no warranty in case of durability will be overtaken. Finally our general delivery and payment conditions are valid (please see www.textillabor.eu).



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Instructions for performing

1. Method: **Determination of fabric propensity to surface fuzzing and to pilling - Part 2: Modified Martindale method ISO 12945 (2000-11) in accordance to DIN EN 14465 (2006-09)**

2. Measuring conditions

tester: Martindale-tester
abrasive: wool-abrasive
pressure weight: 415 +/- 1 g
Test temperature: 20 +/- 2 °C
Test humidity: 65 +/- 4 %
Number of specimen: 3
Number of observers: 2
pretreatment: No

Test results

Article: **600033 Fanello**

| Number of cycles | Mark* |
|------------------|------------|
| 500 | 4-5 |
| 1.000 | 4 |
| 2.000 | 4 |
| 5.000 | 4 |

Remark: According to to DIN EN 14465 (2006-09) in reference to pilling tendencies of furnishing fabrics, the article is ranked within **category B**.

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Instructions for performing

3. Method: Seam slippage resistance DIN EN ISO 13936-2 (2004-07)

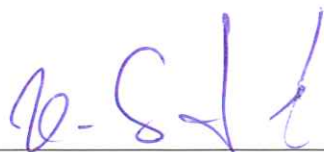
4. Measuring conditions:

Type: furnishing fabric
Tensile force: 180 N

Test results

Article: 600033 Fanello

| | Seam opening [mm] |
|--|-------------------|
| Warp direction (seamline weft direction) | 2,2 |
| Weft direction (seamline warp direction) | 2,1 |



i. A. Detlef von Seyfried
Labor/Laboratory
DELCOTEX Delius Techtex GmbH & Co. KG

Only the information contained in the signed test report is binding.

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Appendix

Article: 600033 Fanello

Method: Pilling test according to DIN EN ISO 12945-2 (2000-11) Part 2 - Modified Martindale method taking into account the furniture fabric standard DIN EN 14465 (2006-09);



| Number of cycles | Mark* |
|------------------|-------|
| 500 | |
| 1.000 | |
| 2.000 | |
| 5.000 | |

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Appendix

Article: 600033 Fanello

Method: Pilling test according to DIN EN ISO 12945-2 (2000-11) Part 2 - Modified Martindale method taking into account the furniture fabric standard DIN EN 14465 (2006-09);



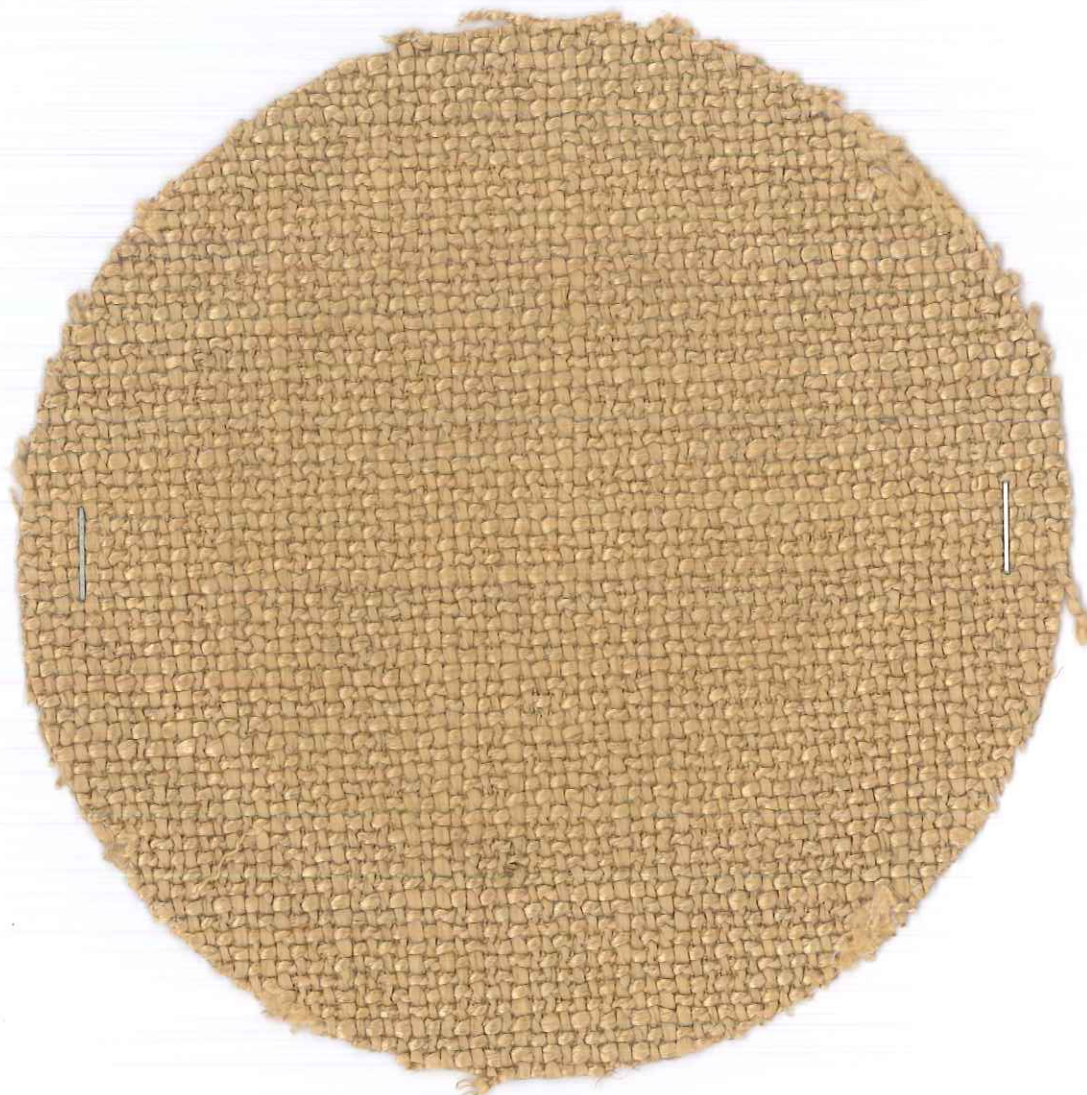
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|------------------|-------|
| 500 | 4-5 |
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| 5.000 | 4 |

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Appendix

Article: 600033 Fanello

Method: Pilling test according to DIN EN ISO 12945-2 (2000-11) Part 2 - Modified Martindale method taking into account the furniture fabric standard DIN EN 14465 (2006-09);



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|------------------|-------|
| 500 | 4-5 |
| 1.000 | 4 |
| 2.000 | 4 |
| 5.000 | 4 |