

Investigation report

SAHCO GmbH

Fr. Sarah Kemmerer
Kreuzburger Str 17-19

90471 Nürnberg

DELCOTEX
Delius Techtex GmbH & Co. KG
Vilsendorfer Str. 50
33739 Bielefeld
Germany

Homepage: www.textillabor.eu

Contact: Detlef von Seyfried
Division: Laboratory/ Lab Manager
Phone: +49 (0) 52 06 / 91 07 - 57
Fax: +49 (0) 52 06 / 91 07 - 34

Date: 05.12.2018

Investigation report No. 18-E-627

order description: **Abrasion resistance DIN EN ISO 12947-2 (2017-03)**
Determination of fabric propensity to surface fuzzing and to pilling - Part 2:
Modified Martindale method ISO 12945 (2000-11)
Seam slippage resistance DIN EN ISO 13936-2 (2004-07) method B
according to Martindale method (specimen breakdown) to DIN EN 14465;

sample: 600187 Balboa 2787

sampling: by orderer

orderer: see address

date of order: 21.09.2018

date of delivery: 22.10.2018

date of testing: 30.11.2018

number of pages: 4

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

3. 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)

4. 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: 600187 Balboa 2787

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

*final mark of pilling and fuzzing

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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Appendix

Article: 600187 Balboa 2787

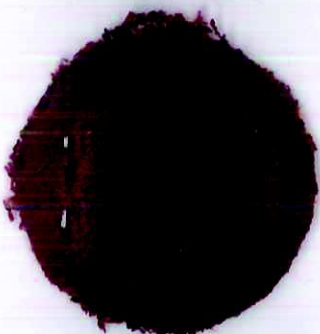
Method: Abrasion resistance DIN EN ISO 12947-2 (2017-03),
Martindale method (specimen breakdown) in accordance to
DIN EN 14465 (2006-09)



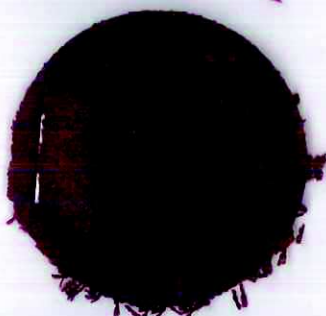
80.000 Sample 1
Cycles



80.000 Sample 2
Cycles



80.000 Sample 3
Cycles



80.000 Sample 4
Cycles

Original



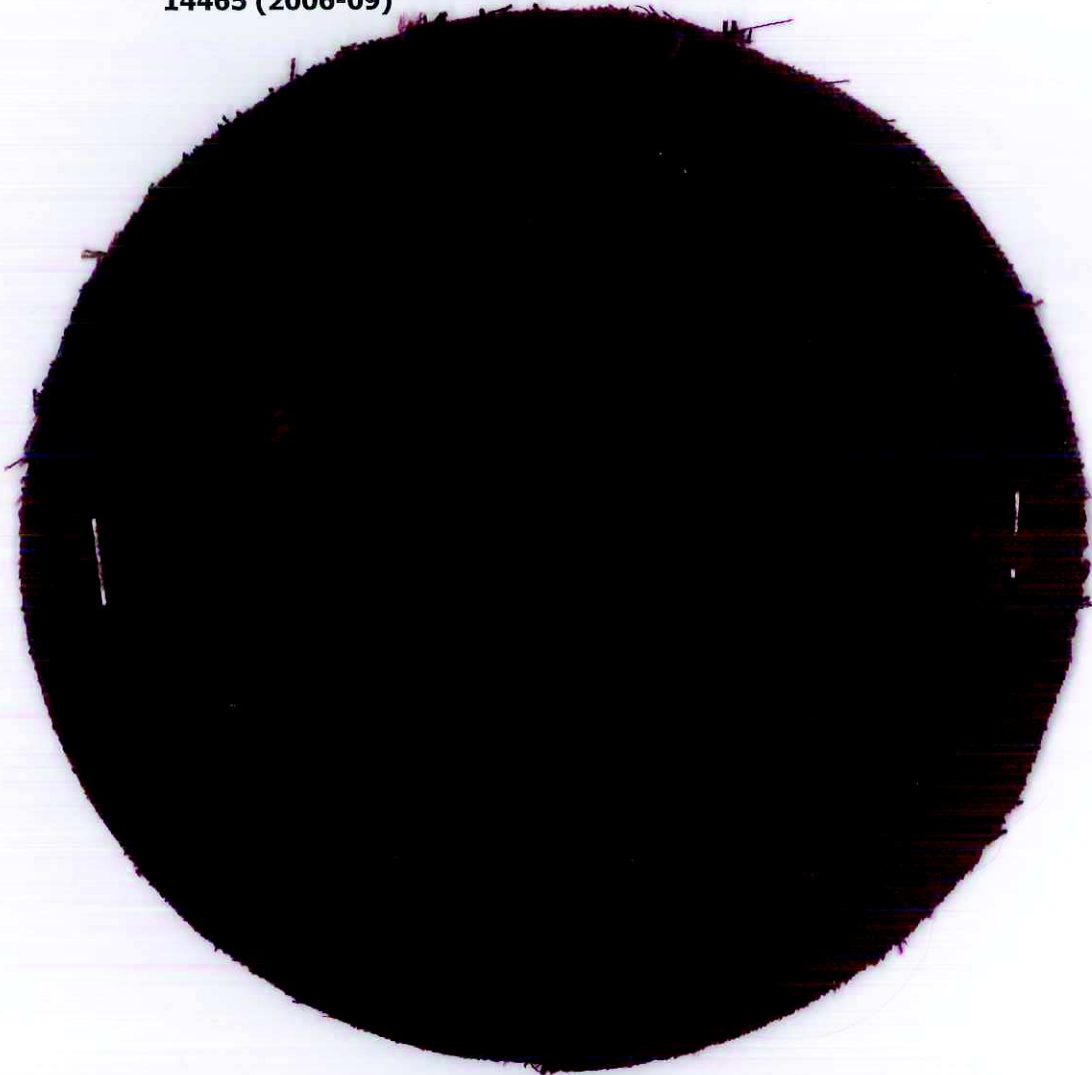
COC after 3000 cycles *4*

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Appendix

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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)



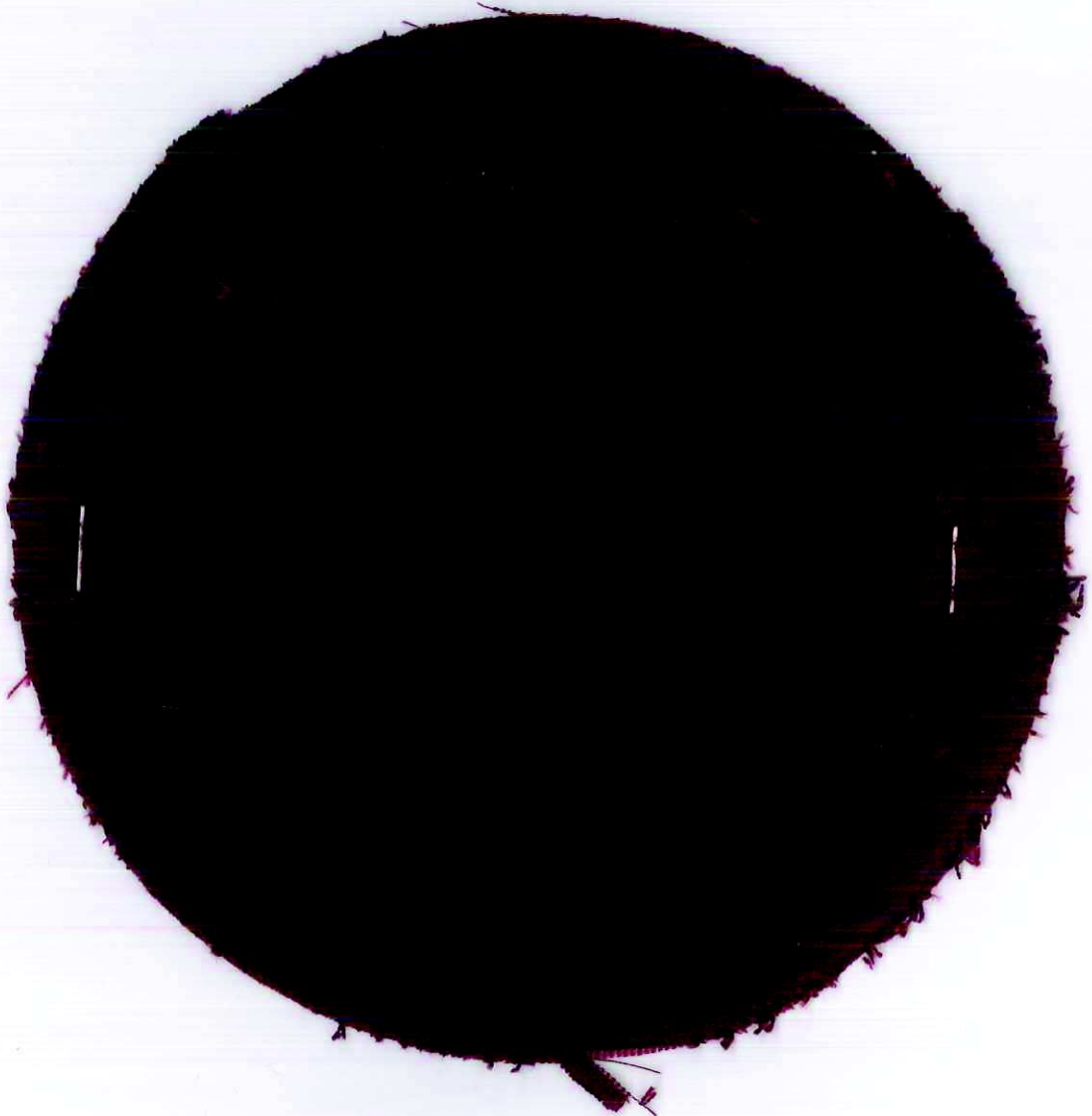
Number of cycles	Mark*
500	4-5
1.000	4-5
2.000	4
5.000	4

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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)



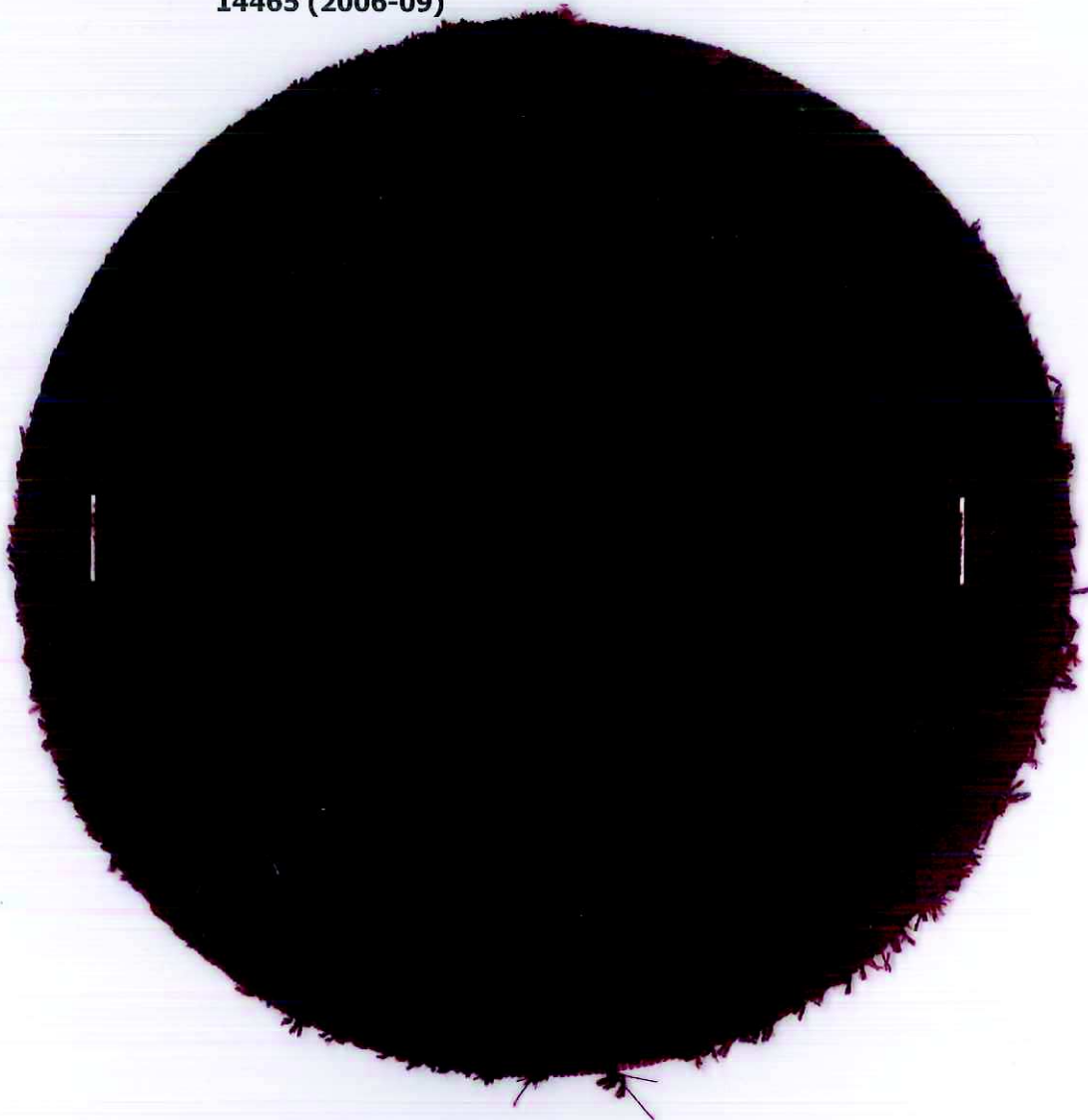
Number of cycles	Mark*
500	4.5
1.000	4.5
2.000	4
5.000	4

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Appendix

Artikel: 600187 Balboa 2787

Methode: 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)



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