

Investigation report

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Date: 28.02.2019

Investigation report No. 19/529

order description: Textiles - Determination of fabric propensity to surface fuzzing and to pilling
- Part 2: Modified Martindale method DIN EN ISO 12945-2:2000-11
Textiles - Determination of the abrasion resistance of fabrics by the
Martindale method - Part 2: Determination of specimen breakdown DIN EN
ISO 12947-2:2017-03

sample: Art. MOIRE
sampling: by orderer
orderer: see address
date of order: 04.02.2019
date of delivery: 06.02.2019
date of testing: 01.03.2019
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).



Investigation report No. 19/529

page 2 of 3

Instructions for performing

1. Method: Textiles - Determination of fabric propensity to surface fuzzing and to pilling - Part 2: Modified Martindale method DIN EN ISO 12945-2:2000-11

2. Measuring conditions:

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

Test results

Art. MOIRE

Number of cycles	Mark*
500	4
1.000	3-4
2.000	3
5.000	3

* Description

5 No change

4 Slightly fluffy surface and/or immature pills

3 Moderate linting and/or pilling. Pills of different sizes and densities occasionally cover the surface of the sample.

2 Pronounced lint and/or pilling. Pills of different size and density cover a large part of the sample surface.

1 Dense lint and/or strong pilling. Pills of different size and density cover the entire surface of the sample.

Investigation report No. 19/529

page 3 of 3

Instructions for performing

3. method: Textiles - Determination of the abrasion resistance of fabrics by the Martindale method - Part 2: Determination of specimen breakdown DIN EN ISO 12947-2:2017-03

4. measuring condition:

tester: martindal abrasion tester
abrasive: wool-abrasive
pressure weight: 795 +/- 7 g
test temperature: 20 +/- 2 °C
test humidity: 65 +/- 4 %
number of specimen: 4
number of observers: 2
pretreatment: no
mass per area: approx. 297,8 g/m²
foam: yes

Test results

Art. MOIRE

	Number of cycles up to the 2nd thread break	Mark*
	Change of colour after 3000 cycles	/
Sample 1	100.000	
Sample 2	100.000	
Sample 3	100.000	
Sample 4	100.000	
result	100.000	

* Final grading refers to change of colour under use of greyscale according to ISO 105-A02.
 Mark 1 strong change of colour, Mark 5 = no change of colour.



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

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

Investigation report No. 19/529

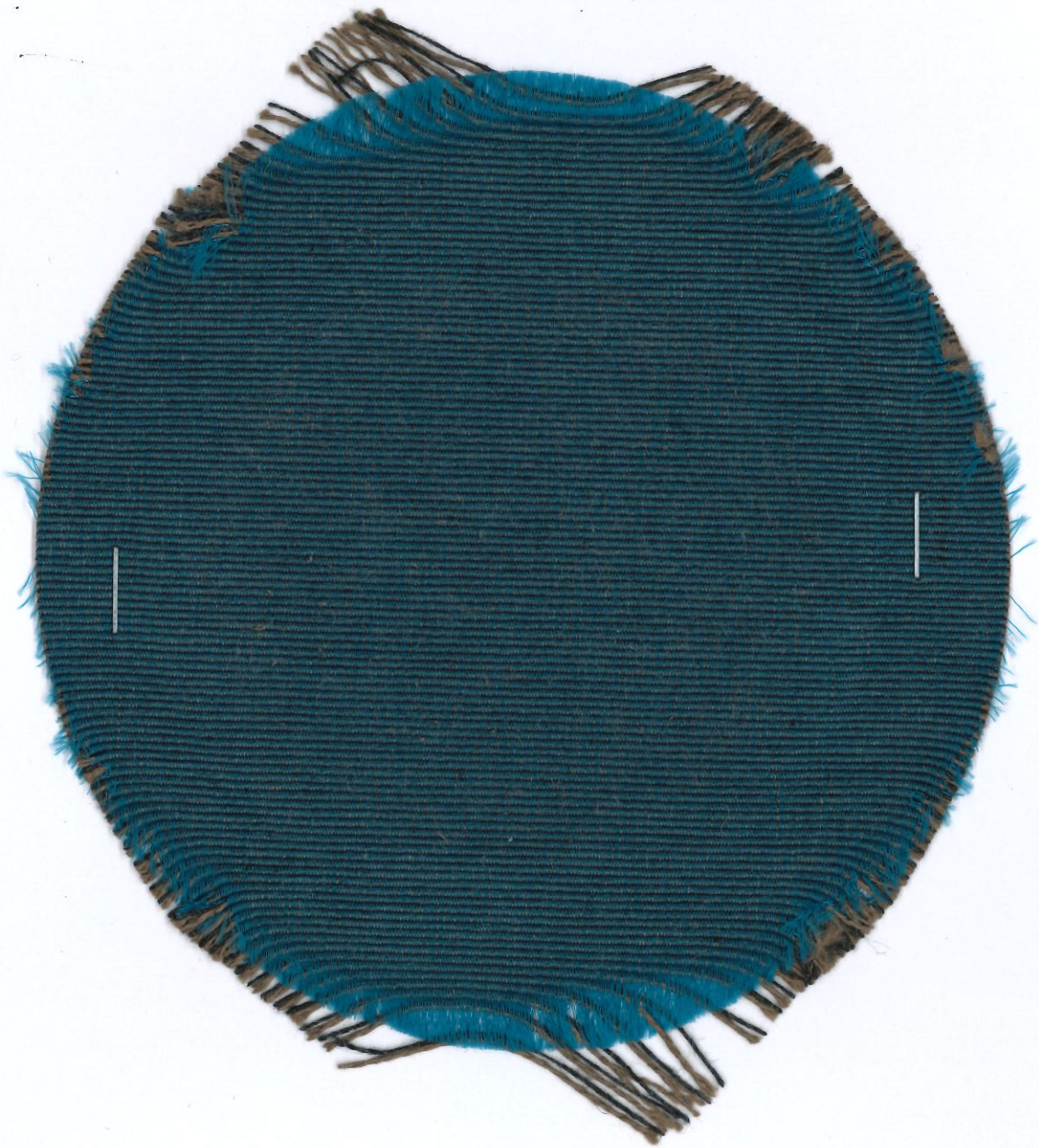
Attachment

article:

Art. MOIRE

method:

Textiles - Determination of fabric propensity to surface fuzzing and to pilling - Part 2:
Modified Martindale method DIN EN ISO 12945-2:2000-11



Investigation report No. 19/529

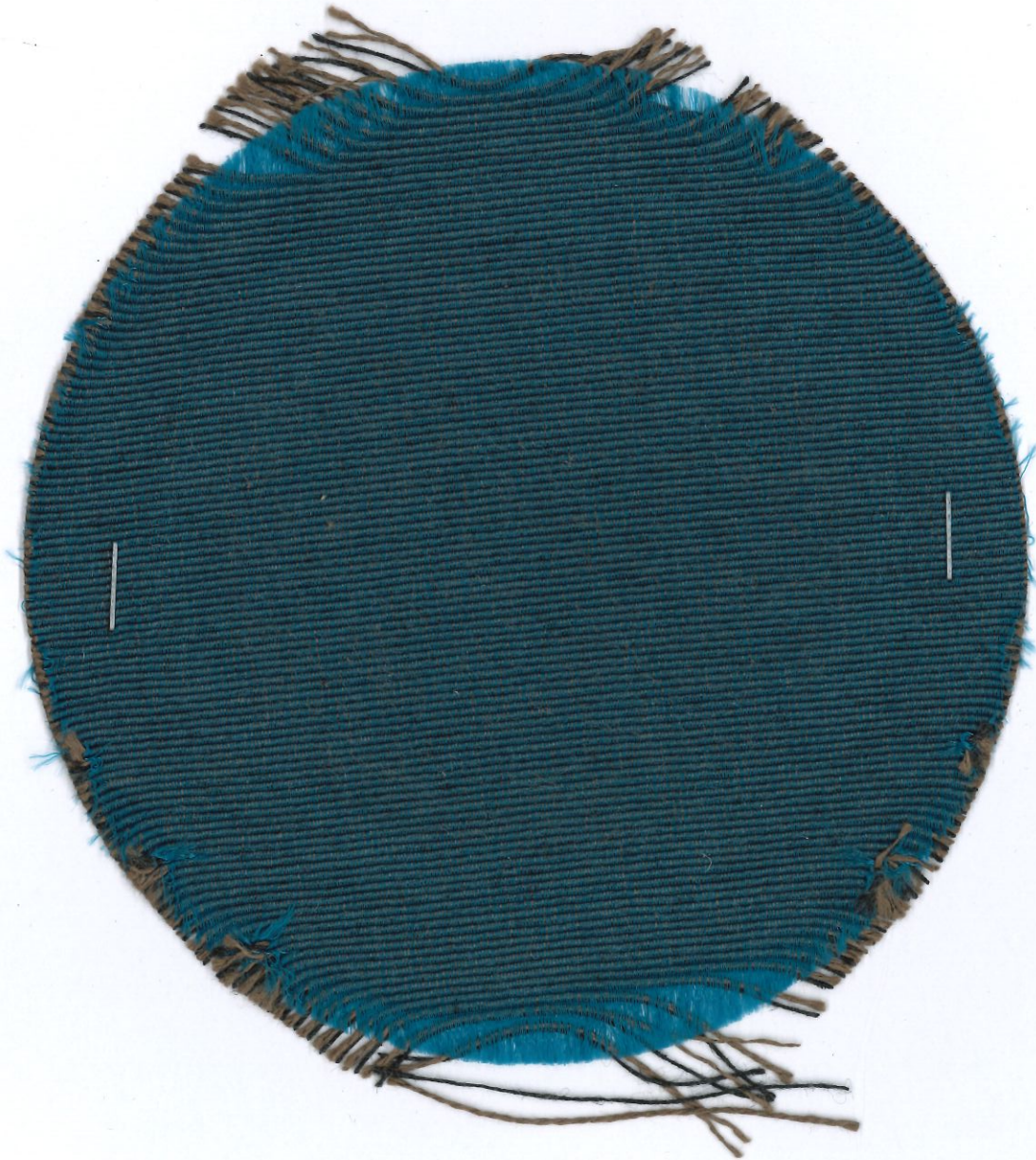
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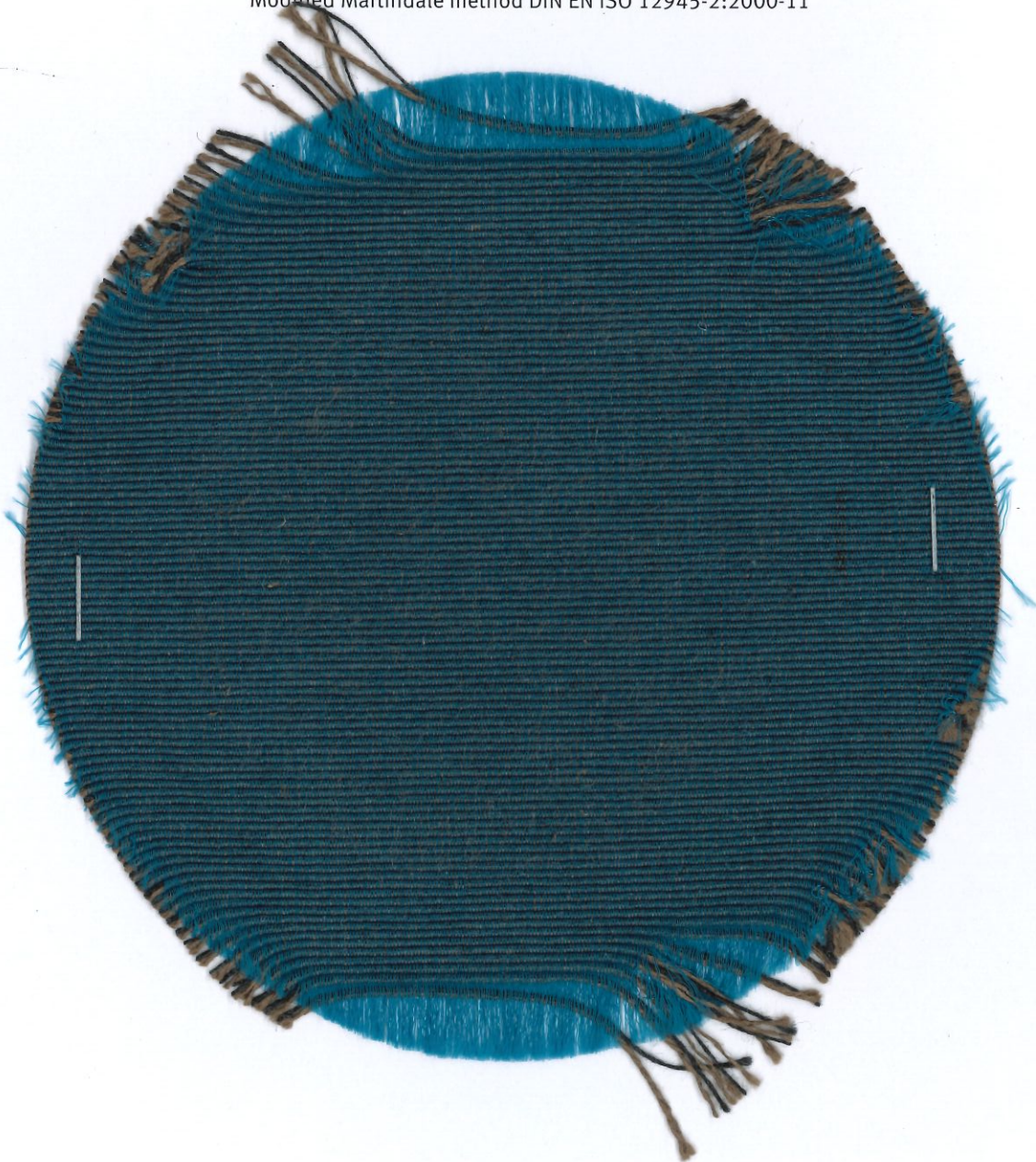
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method:

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Investigation report No. 19/529

Attachment

article:

Art. MOIRE

method:

Textiles - Determination of the abrasion resistance of fabrics by the Martindale method
- Part 2: Determination of specimen breakdown DIN EN ISO 12947-2:2017-03



100.000 Tausen



Original



100.000 Tausen



100.000 Tausen



100.000 Tausen