

## Investigation report

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Date: 15.04.2019

### Investigation report No. 19/985

order description:	<u>Colour fastness to artificial light: Xenon arc fading lamp</u> <u>DIN EN ISO 105-B02 (2014-11)</u> <u>according to DIN EN 14465 (2006-09) Specification Upholstery fabric</u> <u>Pilling test according to DIN EN ISO 12945-2 (2000-11)</u> <u>according to DIN EN 14465 (2006-09) Specification Upholstery fabric</u> <u>Seam slippage resistance DIN EN ISO 13936-2 (2004-07)</u> <u>Textiles - Determination of the abrasion resistance of fabrics by the Martindale</u> <u>method - Part 2: Determination of specimen breakdown DIN EN ISO 12947-</u> <u>2:2017-03</u>
sample:	600188 Sosa, colour 001 to 013, 100% Polyester FR
sampling:	by orderer
orderer:	see address
date of order:	20.02.2019
date of delivery:	25.02.2019
date of testing:	12.04.2019
number of pages:	5

**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](http://www.textillabor.eu)).



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### Instructions for performing

#### 5. 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

#### 6. measuring condition:

<b>tester:</b>	martindale abrasion tester
<b>abrasive:</b>	wool-abrasive
<b>pressure weight:</b>	795 +/- 7 g
<b>test temperature:</b>	20 +/- 2 °C
<b>test humidity:</b>	65 +/- 4 %
<b>number of specimen:</b>	4
<b>number of observers:</b>	2
<b>pretreatment:</b>	no
<b>mass per area:</b>	approx. 583,3 g/m <sup>2</sup>
<b>foam:</b>	yes

### Test results

#### Art. 600188 Sosa 001

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

\* 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.

**Remark:** Testing cancelled after 100,000 tours, without detected yarn breakage.

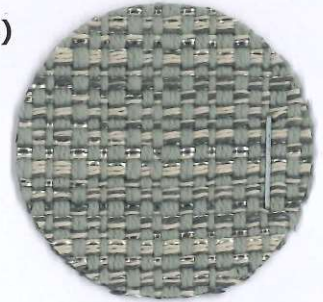
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Appendix

**Article:** 600188 Sosa, colour 001

**Method:** Abrasion resistance DIN EN ISO 12947-2 (2017-03)

Original



*100.000*

**Sample 1**  
Cycles



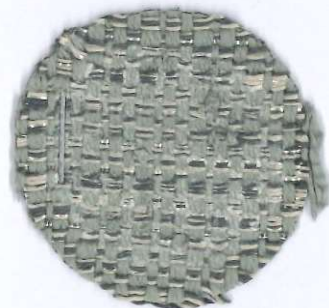
*100.000*

**Sample 2**  
Cycles



*100.000*

**Sample 3**  
Cycles



*100.000*

**Sample 4**  
Cycles

COC after 3000 cycles