

**Febrik bv
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Minosstraat 20
5048 CK TILBURG
Nederland**



Your notice of
18-04-2017

Your reference

Date
19-05-2017

Analysis Report 17.02394.05

Required tests :

ISO 105-X12 (2016)

Determination of the colour fastness to rubbing

ISO 12945-2 (2000)

Determination of the resistance to pilling - Martindale

ISO 105-B02 (2014)

Determination of the colour fastness to light

Identification number	Information given by the client	Date of receipt
T1708760	Husk FF049 Jungle	18-04-2017

Gina Créelle

Order responsible

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The results of the analysis cover the received samples. Centexbel is not responsible for the representativeness of the samples.
In assessing compliance with the specifications, we did not take into account the uncertainty on the test results.

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Reference: T1708760 - Husk FF049 Jungle

Determination of the colour fastness to rubbing

Date of ending the test 17-05-2017
Standard used ISO 105-X12 (2016)

Deviation from the standard -
Conditioning 20°C, relative humidity 65%
Apparatus Crockmeter
Applied finger Ø 16 mm
Pressure on test specimen 9 N
Number of cycles 10

Assessment of staining according to the grey scales (ISO 105 A03)

Numerical rating

	Wales direction	Course direction
Dry	4-5	4-5
Wet	4-5	4-5

Performed under accreditation in the physical lab Ghent under the responsibility of Filip Ghekiere

Reference: T1708760 - Husk FF049 Jungle

Determination of the resistance to pilling - Martindale

Date of ending the test 17-05-2017
 Standard used ISO 12945-2 (2000)

Deviation from the standard -
 Conditioning 20°C, relative humidity 65%
 Apparatus Martindale Wear and Abrasion Tester
 Pressure on test specimen 6,5 cN/cm²
 Abradant Crossbred worsted spun, plain woven fabric
 Number of test specimens 3
 Number of assessors 2

	Assessment at ... number of cycles			
	125	500	1000	2000
#1	4-5	4-5	4	4
#2	4-5	4-5	4	4
#3	4-5	4-5	4	4

The final assessment is based on Pilling
 Annex 1 Pilling samples in attachment

Performed in the physical lab Ghent under the responsibility of Filip Ghekiere

Reference: T1708760 - Husk FF049 Jungle

Determination of the colour fastness to light

Date of ending the test	27-04-2017
Standard used	ISO 105-B02 (2014)
Deviation from the standard	-
Method	1
Apparatus	Xenotest 150 S with a Xenon Arc Lamp
Exposure	Alternated light/no light
Relative humidity	65 %
Black panel temperature	45±3°C

Assessment according the blue scale standard

Numerical rating Blue scale grade 5-6

Annex 2 Exposed sample in annex