



**Feabrik bv**  
**Terheijdenstraat 3C**  
**4811 AW BREDA**  
**Netherlands**

**Your notice of**  
24-02-2025

**Your reference**

**Date**  
14-04-2025

## Analysis Report 25.01016.03

Required tests :

**ASTM D3939/D3939 M (2017)**  
**ISO 105-C06 (2010)**

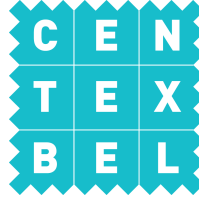
**ISO 13936-2 (2004)**  
**ISO 12947-2 (1998)/cor.1 (2002)**  
**ISO 12945-2 (2000)**

**Determination of the snagging**  
**Determination of the colour fastness to domestic and commercial laundering**  
**Determination of the seam slippage at a specified force.**  
**Determination of the abrasion resistance - Martindale**  
**Determination of the resistance to pilling - Martindale**

Sample id	Information given by the client	Date of receipt
T2504054	REGOS	24-02-2025

Joceleyne Coreelman  
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.

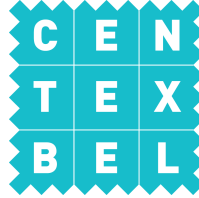


**Reference: T2504054 - REGOS**

**Determination of the snagging**

Date of ending the test 21-03-2025  
 Standard used ASTM D3939/D3939 M (2017)  
 Deviation from the standard On specimen without pretreatment  
 Apparatus I.C.I Mace Snag Tester  
 Number of revolutions 60 / min  
 Assessment After 600 cycles (= 10 min.) in the I.C.I. Mace Snag Viewing cabinet

	Assessment
Wales direction (course//seam) // cylinder	4
Wales direction (course//seam) // cylinder	4-5
Average	4
Course direction (Wales//seam) // cylinder	4
Course direction (Wales//seam) // cylinder	4
Average	4



**Reference: T2504054 - REGOS**

**Determination of the colour fastness to domestic and commercial laundering**

Date of ending the test 28-03-2025  
Standard used ISO 105-C06 (2010)  
Deviation from the standard -  
Apparatus Gyrowash  
Detergent ECE reference detergent  
Wash procedure Method A2S  
Temperature 30°C  
Use of steel balls 10  
Treatment in acetic acid reagent No

**Results**

**Monofibre**

Numerical rating	
Change in colour	4-5
Staining on diacetate	5
Staining on cotton	5
Staining on polyamide	5
Staining on polyester	5
Staining on acrylic	5
Staining on wool	5

Grading against grey scale for change in colour (ISO105 A02) and/or staining (ISO 105 A03):

Use of a 9 point scale from 5 to 1; where 5 is excellent and 1 is poor. Intermediate values like 2-3 are possible.

**Reference: T2504054 - REGOS**

**Determination of the seam slippage at a specified force.**

Date of ending the test	21-03-2025
Standard used	ISO 13936-2 (2004)
Product standard	EN 14465 (2003) + A1 (2006)
Deviation from the standard	-
Conditioning	20°C, relative humidity 65%
Stitching type	74 tex (PES) and a needle size N° 110 and 32 stitches per 100 mm
Apparatus	Instron, type CRE, class 0,5
Cell	1 kN
Rate	50 mm/min
Number of test specimens	5 (Wales direction (course//seam)) 5 (Course direction (Wales//seam))

Seam opening after reducing of the strength of 180 N to 5 N (mm)

	Wales direction (course//seam)	Course direction (Wales//seam)
	Seam opening after reduction at 5 N (mm)	Seam opening after reduction at 5 N (mm)
#1	1.0	0.5
#2	1.0	0.5
#3	1.0	1.0
#4	1.0	1.0
#5	1.0	0.5
Average	1.0 mm	0.5 mm

During the test executed in the direction of the warp, the weft threads are gliding, during the test executed in the direction of the weft, the warp threads are gliding

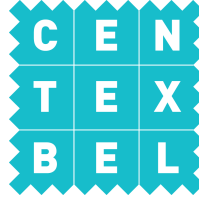
**Reference: T2504054 - REGOS**

**Determination of the abrasion resistance - Martindale**

Date of ending the test 07-03-2025  
Standard used ISO 12947-2 (1998)/cor.1 (2002)  
Product standard EN 14465 (2003) + A1 (2006)  
Deviation from the standard -  
Conditioning 20°C, relative humidity 65%  
Apparatus Martindale Wear and Abrasion Tester  
Pressure on test specimen 12 kPa  
Abradant Standard wool fabric  
Type of the felt Woven felt  
Approximate g/m<sup>2</sup> > 500  
Number of test specimens 4

Assessment of colour change according to the grey scales (ISO 105 A02)  
Assessment after 3 000 rubs 4-5  
Test end point Knitted - 1 loop completely damaged

Specimen	Number of rubs	Final result
#1	100 000	≥ 100 000
#2	100 000	≥ 100 000
#3	100 000	≥ 100 000
#4	100 000	≥ 100 000
Minimum value	100 000	≥ 100 000



**Reference: T2504054 - REGOS**

**Determination of the resistance to pilling - Martindale**

Date of ending the test 24-03-2025  
 Standard used ISO 12945-2 (2000)  
 Product standard EN 14465 (2003) + A1 (2006)  
 Deviation from the standard -  
 Conditioning 20°C, relative humidity 65%  
 Apparatus Martindale Wear and Abrasion Tester  
 Pressure on test specimen 6,5 cN/cm<sup>2</sup>  
 Abradant Standard wool fabric  
 Number of test specimens 3  
 Number of assessors 2

	Assessment at ... number of cycles			
	500	1000	2000	5000
#1	5	5	4-5	4-5
#2	5	5	4-5	4-5
#3	5	5	4-5	4-5

The final assessment is based on Pilling