

Letter of Commission

No.: -
Date: 2 June 2016
Date of arrival: 2 June 2016

Test Report

No.: 3/263-2016(E)
Date: 21 June 2016

Your Executive: Ms. Zsófia Szabó

Our Executive: Mrs. Gábel

TEST REPORT

Customer: TEXTURA Kereskedelmi Kft.
Address: H-1147 Budapest, Ilosvai S. P. u. 10-12.

Tested sample: Woven fabric (white)
Designation: TULSA
STRB
Composition: 97% cotton – 3% elastane
Mass per unit area: 200 g/m²

Annexes: Annex 1: Test results
Annex 2: Sample for identification

Date of arrival of sample: 3 June 2016
Date of testing: 6 June 2016 – 21 June 2016

Tests performed:

1. Raw material composition [MSZ 13560-2:2011 and Regulation (EU) No 1007/2011 of the European Parliament and of the Council, Annex VIII].
2. Mass per unit area [MSZ EN 12127:1999].
Determination of mass: in standard atmosphere.
3. Number of threads per unit length [MSZ EN 1049-2:1999].
Method: A. Measuring distance: 5 cm.
4. Weave of fabric [ISO 7211-1:1984].
5. Dimensional stability in washing and drying [MSZ EN ISO 5077:2008].
Number of test specimens: 2. Number of washing and drying cycles: 5.
Detergent: ECE 98. Ballast: polyester fabric.
Washing machine: Wascator FOM 71 CLS (Type A).
Washing, drying: MSZ EN ISO 6330:2012
Washing: Procedure 6N (60°C). Drying: Procedure F (tumble dry, low temp.)

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és Vizsgáló Intézet Zrt.
1103 Budapest, Gyömrői út 86.



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6. Tensile test [MSZ EN ISO 13934-1:2013].
Gauge length: 200 mm. Rate of extension: 100 mm/min. Pretension: 2 N.
Type of device used: INSTRON 3369.
Number of test specimens: 5 (warp direction) + 5 (weft direction).
7. Tear resistance [MSZ EN ISO 13937-2:2000].
Method of calculation: by electronic device. Type of device used: INSTRON 3369.
Number of test specimens: 5 (warp direction) + 5 (weft direction).
8. Seam slippage [MSZ EN ISO 13936-2:2004].
Tensile load: 60 N. Type of device used: INSTRON 3369.
Number of test specimens: 5 (warp direction) + 5 (weft direction).
9. Abrasion resistance [MSZ EN ISO 12947-2:2000].
Pressure: 12 kPa. Type of device used: Martindale M235 (SDL ATLAS).
10. Fabric propensity to surface fuzzing and to pilling [MSZ EN ISO 12945-2:2001].
Abrasive material: woven fabric under test. Load: 415 g.
Number of test specimens: 3. Number of observers: 3.
Type of device used: Martindale M235 (SDL ATLAS).
11. Colour fastness to bleaching: Hypochlorite [MSZ EN 20105-N01:1999].
12. Colour fastness to bleaching: Peroxide [MSZ EN ISO 105-N02:1999].
13. pH of aqueous extract [MSZ EN ISO 3071:2006].
Type of solution used: KCl solution.

- Notes:
- The test result relate only to the tested sample.
 - This Test Report (include Annexes) contains 4 pages, which can only be copied in full unless the written permission of the testing laboratory is obtained.
 - Validity of issued test report is proven by dry seal of INNOVATEXT Zrt. seen of pages of it.



Ágnes Kovács
Head of Testing Department

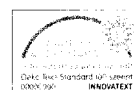
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Annex 1

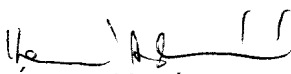
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TEST RESULTS

Tested parameters	Test results
Raw material composition	97,8% cotton 2,2% elastane
Mass per unit area (g/m ²)	195,5
Number of threads per unit length (per 10cm) warp / weft	659 / 315
Weave	Twill, 2/2
Dimensional stability in washing and drying, 60°C (%) 1x washed warp / weft 5x washed warp / weft	-4,1 / -4,1 -5,7 / -5,4
Breaking strength (N) warp / weft direction	1007 / 382
Elongation (%) warp / weft direction	12,7 / 32,1
Tear resistance (N) -warp direction (across weft) -weft direction (across warp)	16,8 15,4
Seam slippage (mm) warp slippage / weft slippage	1,5 / 1,3
Abrasion resistance (rubs)	25.000
Propensity to surface fuzzing and to pilling (grade) Rubs: 125 / 500 / 1000 / 2000 / 5000 / 7000	4-5 / 4-5 / 4 / 4 / 3-4 / 4
Colour fastness (degree) - to bleaching: Hypochlorite - colour change - to bleaching: Peroxide - colour change - staining (cotton/viscose)	4 4 4-5 / 4-5
pH of aqueous extract	9,6

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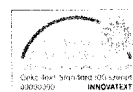

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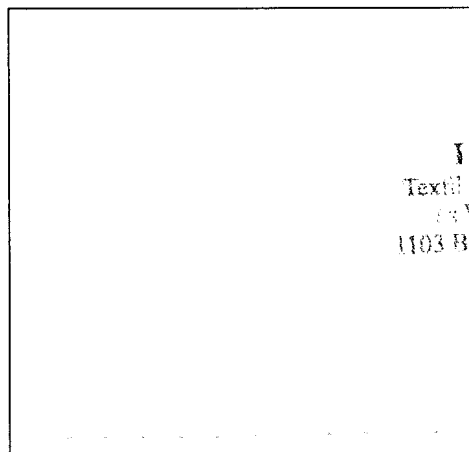
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Annex 2

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Sample for identification



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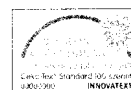
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