

Letter of Commission

No.: -
Date: 18 July 2016
Date of arrival: 18 July 2016

Test Report

No.: 3/334-2016(E)
Date: 05 August 2016

Your Executive: Ms. Zsófia Szabó

Our Executive: Mrs. Gábrriel

TEST REPORT

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

Tested sample: Woven fabric (dark blue)
Designation: DURA LIGHT / MUND
Composition: 65% polyester - 35% cotton
Mass per unit area: 195 g/m²

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

Date of arrival of sample: 18 July 2016
Date of testing: 18 July 2016 – 04 August 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.
Washing and drying conditions according to MSZ EN ISO 6330:2012:
Washing machine: Wascator FOM 71 CLS (Type A). Detergent: ECE 98.
Ballast: polyester fabric.
Washing: Procedure 6N (60°C). Drying: Procedure F (tumble dry, low temp.).

INNOVATEXT
Textilipari Műszaki Fejlesztő
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 403 (James H. Heal).
10. Fabric propensity to surface fuzzing and to pilling [MSZ EN ISO 12945-2:2001].
Type of device used: M235 Martindale 403 (SDL Atlas).
Abrasive material: woven fabric under test. Load: 415 g.
Number of test specimens: 3. Number of observers: 3.
Pretreatment of sample:
Washing and drying (1x) according to MSZ EN ISO 6330:2012 (6N, F).
11. Colour fastness to artificial light [MSZ EN ISO 105-B02:2014].
Type of device used: Xenotest 150 S+. Method used: 2.
Reference materials: Blue Wool References developed in Europe (1 to 8).
Exposure conditions: normal conditions (temperate zone).
12. Colour fastness to washing [MSZ EN 20105-C03:1995, 60°C].
13. Colour fastness to perspiration [MSZ EN ISO 105-E04:2013].
14. Colour fastness to dry cleaning [MSZ EN ISO 105-D01:2010].
15. Colour fastness to rubbing [MSZ EN ISO 105-X12:2003].
16. pH of aqueous extract [MSZ EN ISO 3071:2006].
Type of solution used: KCl solution.

- Notes:
- The test results relate only to the tested sample.
 - This Test Report (including Annexes) contains 4 pages, which can only be copied in full unless the written permission of the testing laboratory is obtained.
 - Status of the testing laboratory: Laboratory accredited by NAH under No NAH-1-1366/2016.
 - Validity of issued test report is proven by dry seal of INNOVATEXT Zrt. seen of pages of it.

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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	67,7% polyester 32,3% cotton
Mass per unit area (g/m ²)	187,6
Number of threads per unit length (per 10cm) warp / weft	386 - 237
Weave	Twill, 2/1 „S”
Dimensional stability in washing and drying, 60°C (%) 1x washed warp / weft 5x washed warp / weft	-2,0 / -0,8 -2,8 / -1,4
Breaking strength (N) warp / weft direction Elongation (%) warp / weft direction	1390 / 806 22,9 / 18,3
Tear resistance (N) -warp direction (across weft) -weft direction (across warp)	20,9 24,2
Seam slippage (mm) warp slippage / weft slippage	1,5 / 1,6
Abrasion resistance (rubs)	45.000
Propensity to surface fuzzing and to pilling (grade) Rubs: 125 / 500 / 1000 / 2000 / 5000 / 7000	4-5 / 4-5 / 4 / 3 / 2 / 2
Colour fastness (degree)	
- to light	5
- to washing - colour change - staining (polyester/cotton)	4-5 4-5 / 4-5
- to perspiration - acid - colour change - staining (polyester/cotton)	4-5 4-5 / 4-5
- alkaline - colour change - staining (polyester/cotton)	4-5 4-5 / 4-5
- to dry cleaning - colour change - staining (polyester/cotton)	5 4-5 / 4-5
- to rubbing (dry/wet)	4-5 / 3-4
pH of aqueous extract	7,4

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