

## Laboratorium Badań Surowców i Wyrobów Włókienniczych

Siedziba: ul. Brzezińska 5/15, 92-103 Łódź, tel. +48(0) 42 6163140  
 Siedziba: ul. Gdańska 118. 90-520 Łódź. tel. +48(0) 42 2534421



AB 164

**LABORATORY OF TESTING TEXTILE RAW MATERIALS AND FABRICS**  
**Testing Laboratory accredited by the Polish Centre for Accreditation**  
 Field of testing: textile fabrics

### TEST REPORT NO. 19.6 / 2014 / B / A

- Test ordered by:** „TOPTEXTIL” Sp. z o.o., Wadowicka Str.12; 30-415 Kraków
- Name and description of tested material:** the sample: **SUDAN**, (raised knitted fabric with woven pad)  
declared raw material: 100 % Polyester
- Date of receiving material for testing:** 11.07.2014
- Date of test performance:** 28.01.2014
- Samples taken by:** correct sample size in appropriate state for testing, taken by the Client and delivered without the Sampling Protocol
- Tests carried out according to:** methods presenting in testing table

#### Results of Laboratory Tests

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**Test performed by:** Elżbieta Olczak, Małgorzata Plac

- Test results refer only to the tested material.*
- Neither of the parts of this report can be copied without written permission of the Head of the Laboratory; it can be copied only as a whole document.*
- Report presents test results included within accreditation field of testing.*
- Test results not included in accreditation scope, if occur, are marked with \*) in the test results table, at the parameter name.*
- Measurement uncertainty, if it is specified, has been determined according to the recommendations presented in document EA-4/16. Presented values of uncertainty constitute expanded uncertainty at 95% confidence level and coverage factor  $k = 2$ .*

**Report date:** 04.08.2014

**Number of report copies:** 3

**Test report handed to:**

- 1) TOPTEXTIL Sp. z o.o., Kraków -- 2 copies
- 2) Laboratory for Testing Textile Raw Materials and Fabrics - 1 copy

**Report prepared by:**

E. Piekarek-Kubicka

**Person authorizing the Test Report:**

Surname and name: Halina Królikowska

Function: Head of the Laboratory

Signature: Laboratorium Badań Surowców  
i Wyrobów Włókienniczych  
Instytut Włókiennictwa

mgr inż. Halina Królikowska

**TEST REPORT NO. 19.6 / 2014 / B / A**

Parameter	Value	Remarks
<b>Seam slippage resistance, mm:</b> <u>Warp</u> <b>The mean value of seam slippage resistance for lengthwise direction, mm</b> - individual results, mm  <u>Weft</u> <b>The mean value of seam slippage resistance for crosswise direction, mm</b> - individual results, mm	 <b>2</b>  2; 2; 1,5; 2,5; 2   <b>2</b>  2; 1; 1,5; 2,5; 2	PN-EN ISO 13936-2:2005 <i>Test conditions:</i> tensile tester: Hounsfield H50 KM, testing force: 180 N, 100% PES swing threads tex 74 ± 5, the number of swing needle: 110 the number of stitch: 32±2/100 mm rate of extension: 50 mm/min. number of testing specimens: 5

Evaluation:

according to PN-EN 14465:2005 + A1:2007

requirements level: **A category: ≤ 4 mm; B category: ≤ 6 mm; C category: ≤ 8 mm**

Abrasion resistance, number of rubs	color change after 3 000 rubs, grade of grey scale	4 - 5	PN-EN ISO 12947-2:2000 + AC:2006 + PN-EN 14465:2005+A1:2007 <i>Test conditions:</i> the abradant: the standard woollen fabric, the nominal pressure used in the test: 12 kPa, magnification factor in the magnifying device: 8, in holders used foam. Criterion of <u>destruction of the testing specimens</u> <u>in accordance with that standard: raised fabric –</u> <u>pile is fully worn off.</u>
	1 specimen	70 000	
	2 specimen	70 000	
	3 specimen	70 000	
	4 specimen	70 000	
	<b>Total abrasion resistance</b> (the lowest individual result)	<b>70 000</b>	

Evaluation:

according to PN-EN 14465:2005 + A1:2007: **A category: number of rubs ≥ 35 000 rubs,**

**B category: number of rubs: 12 000 ÷ 30 000, C category: number of rubs: 4 000 ÷ 10 000**

\_\_\_\_\_ **The end of Test Report** \_\_\_\_\_

**Person authorizing the Test Report**

Kierownik  
 Laboratorium Badań Surowców  
 i Wyróbów Włókienniczych  
 Instytut Włókiennictwa  
 mgr inż. Halina Królikowska



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**LABORATORY OF TESTING TEXTILE RAW MATERIALS AND FABRICS**  
**Testing Laboratory accredited by the Polish Centre for Accreditation**

**Test Report no. 19.14.6 / 2014 / G / A**

- 1. Test ordered by:** „TOPTEXTIL” Sp. z o.o.,  
30-415 Kraków, 12 Wadowicka Str.
- 2. Name and description of tested material:** the sample: **the upholstery fabric SUDAN (2702)**, declared raw materials: 100% Polyester
- 3. Date of receiving material for testing:** 2014-12-08
- 4. Date of test performance:** 2014-12-12
- 5. Samples taken:** correct sample size delivered in appropriate state for testing, taken by the Client and delivered without the Sampling Protocol
- 6. Tests carried out according to:** methods presenting in testing table

### Results of Laboratory Tests

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**Test performed by:** Krystyna Wierus M.Sc. Eng

1. *Test results refer only to the tested material.*
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3. *Report presents test results included within accreditation field of testing*
4. *test results not included in accreditation scope, if occur, are marked with \*) in the test result table (at the parameter name).*
5. *Measurement uncertainty, if it is specified, has been determined according to the recommendations presented in document EA-4/16. Presented values of uncertainty constitute expanded uncertainty at 95% confidence level and coverage factor  $k=2$ .*

**Report date:** 2014-12-17

**Number of report copies:** 4

**Test report handed to:**

- 1) TOPTEXTIL Sp. z o.o. - 2 copies,
- 2) Laboratory for Testing Textile Raw Materials and Fabrics (location: 5/15 Brzezińska str.) - 1 copy,
- 3) Laboratory for Testing Textile Raw Materials and Fabrics (location: 118 Gdańska str.) - 1 copy.

**Report prepared by:**

Zofia Mokwińska M.Sc. Eng

**Person authorizing the Test Report:**

Surname and name: Beata Witkowska, Ph. D.

Function: Technical Head of Laboratory

Signature: *Beata Witkowska*  
Kierownik Techniczny  
Laboratorium Badań Surowców  
i Wyrobów Włókienniczych  
siedziba ul. Gdańska 118  
dr inż. Beata Witkowska



INSTYTUT WŁOKIENICTWA  
Laboratorium Badań Surowców  
i Wyrobów Włókienniczych  
92-103 Łódź, ul. Brzezińska 5/15  
Siedziba Laboratorium  
90-520 Łódź, ul. Gdańska 118

Test Report no. 19.14.6 / 2014 / G / A

Parameter	Value	Remarks
<b>Resistance to surface wetting (Spray test), degree</b> - sample 1 - sample 2 - sample 3	5 5 5 no sticking or wetting of the specimen face	PN-EN ISO 4920:2013-02 water temperature - 20°C, tests were carried out in normal climate conditions, Assessment scale: <b>Sprinkle degree 5</b> - no sticking or wetting of the specimen face, <b>Sprinkle degree 0</b> - complete wetting of the entire face of the specimen

The end of the Test Report

Person authorizing the Test Report:

Kierownik Techniczny  
 Laboratorium Badań Surowców  
 i WYROBÓW Włókienniczych  
 siedziba ul. Gdańska 118  
  
 dr inż. Beata Witkowska