

## Laboratory of Chemical Instrumental Analysis

Łukasiewicz Research Network – Lodz Institute of Technology,  
90-570 Lodz, 19/27 Marii Skłodowskiej-Curie Str., phone +48 42 307-09-01  
Laboratory:  
92-103 Lodz, 5/15 Brzezinska Str.  
phone No +48 42 61-63-130 (128), fax +48 42 61-63-131  
e-mail: [agnieszka.lisiak-kucinska@lit.lukasiewicz.gov.pl](mailto:agnieszka.lisiak-kucinska@lit.lukasiewicz.gov.pl),  
[gabriela.palucka@lit.lukasiewicz.gov.pl](mailto:gabriela.palucka@lit.lukasiewicz.gov.pl)

Łódź, 17<sup>th</sup> May 2024

L-187/2024

### TEST CERTIFICATE No BL-AI 183/401/2024/A/I

1. **Name and address of the principal** <sup>x)</sup>: „TOPTEXTIL” Sp. z o.o.  
ul. Mickiewicza 29, 34-100 Wadowice
2. **Subject of study** <sup>x)</sup>: Sample – furniture upholstery fabric SMART-VELVET, raw material composition 100 % Polyester
3. **Date of receiving sample for testing**: 08.04.2024
4. **Date of the test conducting**: 10.04 - 24.04.2024
5. **Sampling**: Sample in a proper size, in a proper condition for tests, supplied by the customer.

### RESULTS OF THE TESTS

Tested feature	Result of the test [degree]	Reference document	Test conditions	Level of requirements for categories according to PN-EN 14465:2005 + A1:2007		
				A	B	C
Colour fastness to: - artificial light <sup>1)</sup>	a/ 4-5	PN-EN ISO 105-B02:2014-11 Method 2	- device: Xenotest Alpha + - light conditions: A1 - radiation measurement in the range 300-400 nm - sample rotation was not applied	≥ 6	≥ 5	≥ 4

<sup>1)</sup> Colour fastness according to “Blue scale”, indicator “8” means – no change in colour, indicator “1” means – big change in colour.

a/ change in colour of the sample

#### Remarks:

1. Test results refer only to the tested material.
2. Neither of the parts of this test certificate can be copied without written permission of the Head of the Laboratory.
3. <sup>x)</sup> Data provided by the principal/customer.
4. Total number of pages of the test certificate: 1.

Test conducted by:  
Małgorzata Dałek MSc

Authorized by:

LABORATORIUM CHEMICZNYCH  
ANALIZ INSTRUMENTALNYCH  
Z-CA KIEROWNIKA

*mgr inż. Gabriela Pałucka*

Number of copies of the test certificate: 3

The test certificate receive:

- Customer - 2 copies
- The ŁUKASIEWICZ Research Network – Lodz Institute of Technology – BL-AI - 1 copy

- THE END -

### Laboratory of Chemical Instrumental Analysis

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[gabriela.palucka@lit.lukasiewicz.gov.pl](mailto:gabriela.palucka@lit.lukasiewicz.gov.pl)

**Łódź, 17<sup>th</sup> May 2024**

**L-187/2024**

#### TEST CERTIFICATE No BL-AI 183/401/2024/A

- 1. Name and address of the principal <sup>X)</sup>:** „TOPTEXTIL” Sp. z o.o.  
ul. Mickiewicza 29, 34-100 Wadowice
- 2. Subject of study <sup>X)</sup>:** Sample – furniture upholstery fabric SMART-VELVET, raw material composition 100 % Polyester
- 3. Date of receiving sample for testing:** 08.04.2024
- 4. Date of the test conducting:** 15.05.2024
- 5. Sampling:** Sample in a proper size, in a proper condition for tests, supplied by the customer.

#### RESULTS OF THE TESTS

Tested feature	Result of the test [degree]	Reference document	Test conditions	Level of requirements for categories according to PN-EN 14465:2005 + A1:2007		
				A	B	C
Colour fastness to: - dry rubbing: <sup>1)</sup> warp weft	a/ 4-5 a/ 4-5	PN-EN ISO 105-X12:2016-08	- time of acclimatisation: 4 h - temperature of the test: 21.1 °C - humidity of the test: 33.7 % - rubbing pick: Ø 16 ± 0.1 mm - push: 9 ± 0.2 N - degree of moisturising of the rubbing fabric: 100 %	≥ 4-5	≥ 4	≥ 3-4
- wet rubbing: <sup>1)</sup> warp weft	a/ 4-5 a/ 4-5			≥ 3-4	≥ 3	≥ 2-3

<sup>1)</sup> Colour fastness according to “Grey scale”, indicator “5” means – no change in colour in cotton rubbing fabric, indicator “1” means – big change in colour.

a/ staining - the cotton rubbing fabric

Remarks:

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3. <sup>X)</sup> Data provided by the principal/customer.
4. Total number of pages of the test certificate: 1.

Test conducted by:  
Małgorzata Dałek MSc

Authorized by:

LABORATORIUM CHEMICZNYCH  
ANALIZ INSTRUMENTALNYCH  
Z-CIA KIEROWNIKA

*mgr inż. Gabriela Pałucka*

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**- THE END -**





**Łukasiewicz**

Lodz Institute of Technology

**Laboratory of Textile Metrology and Electrostatics**

Łukasiewicz Research Network – Lodz Institute of Technology,

90-570 Lodz, 19/27 Marii Skłodowskiej-Curie Str.,

Laboratory: 92-103 Lodz, 5/15 Brzezinska Str., phone 48 42 6163142

Laboratory: 90-520 Lodz, 118 Gdanska Str., phone 48 42 2534419

e-mail: [beata.witkowska@lit.lukasiewicz.gov.pl](mailto:beata.witkowska@lit.lukasiewicz.gov.pl); [jerzy.andrysiak@lit.lukasiewicz.gov.pl](mailto:jerzy.andrysiak@lit.lukasiewicz.gov.pl)

**TEST REPORT NO. BL-ME 272.6 / 2024 / B**

- 1. Test ordered by:**<sup>X</sup> „TOPTEXTIL” Sp. z o.o., 29 Mickiewicza Street, 34-100 Wadowice
- 2. Name and description of tested material:**<sup>X</sup> the sample: **The upholstery knitted fabric SMART VELVET**, declared raw material composition: 100% Polyester.
- 3. Date of receiving material for testing:** 2024-04-24
- 4. Date of test performance:** 2024-05-17
- 5. Samples taken by:**<sup>X</sup> limited sample size 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**

see page 2/2

**Test performed by:** Elżbieta Olczak

1. Test results refer only to the tested material.
2. Neither of the parts of this Test Report can be copied without written permission of the Head of the Laboratory; it can be copied only as a whole document.
3. Test Report consists of test results carried out in location 90-520 Łódź, ul. Gdańska 118 (G) / 92-103 Łódź, ul. Brzezińska 5/15(B).
4. Measurement uncertainty, if it is specified, has been determined according to the recommendations presented in document ILAC-G17:01/2021. Presented values of uncertainty constitute expanded uncertainty at 95% confidence level and coverage factor  $k = 2$ .
5. Laboratory uses the requirements of ILAC-G8:09/2019. The conformity statement of test result with requirements/specification takes place, when the test results together with expanded uncertainty does not exceed the tolerance limit given in specification. The conformity statement's rules given by Client could be allowed.

**Test Report date:** 2024-05-23

**Number of Test Report 's copies:** 2

**Test Report handed to:**

- 1) „TOPTEXTIL” Sp. z o.o., Wadowice - 1 copy,
- 2) Laboratory of Textile Metrology and Electrostatics (location: 5/15 Brzezińska str.) - 1 copy.

**Test Report prepared by:**

Patrycja Bąk

**Person authorizing the Test Report**

LABORATORIUM METROLOGII WŁÓKIENNICZEJ  
I ELEKTROSTATYKI  
Z-CIA KIEROWNIKA

mgr inż. Jerzy Andrysiak

**TEST REPORT NO. BL-ME 272.6 / 2024 / B**

Parameter	Value	Remarks
The mean of bursting strength, kPa	<b>330 ± 9</b>	PN-EN ISO 13938-1:2020-05 (hydraulic method) sample conditioned according to PN-EN ISO 139:2006 + A1:2012, temp. 20° C ± 2 °C, R.H: 65% ± 4%, burst device: PSI-BURST, test area: 50 cm <sup>2</sup> , time at burst: (20±5) s, number of test specimens: 5.
The mean of height at burst, mm	<b>28 ± 2</b>	
Evaluation according to PN-EN 14465:2005 + A1:2007: requirements level: A category: ≥ 600 kPa; B category: ≥ 400 kPa; <b>C category: ≥ 200 kPa</b>		

**Person authorizing the Test Report**

LABORATORIUM METROLOGII WŁÓKIENNICZEJ  
 I ELEKTROSTATYKI  
 Z-CA KILROWNIKA

*mgr inż. Jerzy Andrysiak*

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





**Łukasiewicz**

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Łukasiewicz Research Network – Lodz Institute of Technology,  
90-570 Lodz, 19/27 Marii Skłodowskiej-Curie Str.,  
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e-mail: [beata.witkowska@lit.lukasiewicz.gov.pl](mailto:beata.witkowska@lit.lukasiewicz.gov.pl); [jerzy.andrysiak@lit.lukasiewicz.gov.pl](mailto:jerzy.andrysiak@lit.lukasiewicz.gov.pl)

**TEST REPORT NO. BL-ME 272.5 / 2024 / B**

- 1. Test ordered by:**<sup>X</sup> „TOPTEXTIL” Sp. z o.o., 29 Mickiewicza Street, 34-100 Wadowice
- 2. Name and description of tested material:**<sup>X</sup> the sample: **The upholstery knitted fabric SMART VELVET**, declared raw material composition: 100% Polyester.
- 3. Date of receiving material for testing:** 2024-04-24
- 4. Date of test performance:** 2024-05-16
- 5. Samples taken by:**<sup>X</sup> limited sample size 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**

see page 2/2

**Test performed by:** Elżbieta Olczak

1. Test results refer only to the tested material.
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3. Test Report consists of test results carried out in location 90-520 Łódź, ul. Gdańska 118 (G) / 92-103 Łódź, ul. Brzezińska 5/15(B).
4. Measurement uncertainty, if it is specified, has been determined according to the recommendations presented in document ILAC-G17:01/2021. Presented values of uncertainty constitute expanded uncertainty at 95% confidence level and coverage factor  $k = 2$ .
5. Laboratory uses the requirements of ILAC-G8:09/2019. The conformity statement of test result in respect of requirements/specification takes place, when the test results together with expanded uncertainty does not exceed the tolerance limit given in specification. The conformity statement's rules given by Client could be allowed.

**Test Report date:** 2024-05-23

**Number of Test Report 's copies:** 2

**Test Report handed to:**

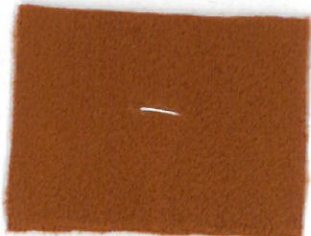
- 1) „TOPTEXTIL” Sp. z o.o., Wadowice - 1 copy,
- 2) Laboratory of Textile Metrology and Electrostatics (location: 5/15 Brzezińska str.) - 1 copy.

**Test Report prepared by:**  
Patrycja Bąk

**Person authorizing the Test Report**

LABORATORIUM METROLOGII WŁÓKIENNICZEJ  
I ELEKTROSTATYKI  
Z-CIA KIEROWNIKA

mgr inż. Jerzy Andrysiak



Elżbieta Olczak  
Laboratorium Metrologii Włókienniczej i Elektrostatyki  
ul. Brzezińska 5/15  
142, fax 42 61 631 31

**TEST REPORT NO. BL-ME 272.5 / 2024 / B**

Parameter	Value	Remarks
<b>Seam slippage resistance, mm:</b> <u>Longitudinal direction</u> <b>The mean value of resistance to perforation in the seam for longitudinal direction, mm</b> - individual results, mm  <u>Cross direction</u> <b>The mean value of resistance to perforation in the seam for cross direction, mm</b> - individual results, mm	  <b>4 ± 0</b>  4; 4; 4; 4; 4   <b>3 ± 0</b>  3; 3; 3; 3,5; 3	PN-EN ISO 13936-2:2005 climate for conditioning sample and testing according to PN-EN ISO 139:2006 + A1:2012, temp. 20° C ± 2 °C, RH: 65% ± 4%, tensile tester: Hounsfield H50 KM, testing force: 180 N, 100% PES sewing threads (74 ± 5) tex, the number of sewing needle: 110, the number of stitch: 32±2/100 mm, rate of extension: 50 mm/min. number of test specimens: 5
Evaluation according to PN-EN 14465:2005 + A1:2007: requirements level: <b>A category: ≤ 4 mm;</b> B category: ≤ 6 mm; C category: ≤ 8 mm		

**Person authorizing the Test Report**

LABORATORIUM METROLOGII WŁÓKNIARSTWA  
I ELEKTROSTATYKI  
Z-CA KIEROWNIKA

*mgr inż. Józef Andrzejewski*

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



**Laboratory of Textile Metrology and Electrostatics**

Łukasiewicz Research Network – Lodz Institute of Technology,  
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**TEST REPORT NO. BL-ME 272.4 / 2024 / B / A**

- 1. Test ordered by:** <sup>x</sup> „TOPTEXTIL” Sp. z o.o., 29 Mickiewiczza Street, 34-100 Wadowice
- 2. Name and description of tested material:** the sample: <sup>x</sup> **The upholstery knitted fabric SMART VELVET**, declared raw material composition: 100% Polyester.
- 3. Date of receiving material for testing:** 2024-04-24
- 4. Date of test performance:** 2024-05-22
- 5. Samples taken by:** <sup>x</sup> correct sample size in appropriate state for testing, taken by the Client and delivered with/without the Sampling Protocol
- 6. Tests carried out according to:** methods presenting in testing table

**Results of Laboratory Tests**

see: page 2/2

**Test performed by:** Elżbieta Olczak

1. Test results refer only to the tested material.
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4. Test results not included in accreditation scope, if occur, are marked with\* in the test results table, at the parameter name.
5. Test Report consists of test results carried out in location 90-520 Łódź, ul. Gdańska 118 (G) / 92-103 Łódź, ul. Brzezińska 5/15 (B).
6. Measurement uncertainty, if it is specified, has been determined according to the recommendations presented in document ILAC-G17:01/2021. Presented values of uncertainty constitute expanded uncertainty at 95% confidence and coverage factor  $k = 2$ .
7. Laboratory uses the requirements of ILAC-G8:09/2019. The conformity statement of test result with requirements in specification takes place, when the test results together with expanded uncertainty does not exceed the tolerance limit given in specification. The conformity statement's rules given by Client could be allowed.

**Test Report date:** 2024-05-23

**Number of Test Report 's copies:** 2


**Test Report handed to:**

- 1) „TOPTEXTIL” Sp. z o.o., Wadowice - 1 copy,
- 2) Laboratory of Textile Metrology and Electrostatics (location: 5/15 Brzezińska str.) - 1 copy.

**Test Report prepared by:**

Patrycja Bąk

**Person authorizing the Test Report:**

  
LABORATORIUM METROLOGII WŁÓKIENNICZEJ  
I ELEKTROSTATYKI  
Z-CA KIEROWNIKA

mgr inż. Jerzy Andrysiak

**TEST REPORT NO. BL-ME 272.4 / 2024 / B / A**

Parameter	Value	Test method
<b>Propensity to surface fuzzing, pilling or matting, grade</b> - <u>pilling</u> the number of rubs 125 500 1 000 2 000 5 000 <b>7 000</b>	5	PN-EN ISO 12945-2:2021-04 PN-EN ISO 12945-4:2021-04 (modified Martindale method)  climate for sample conditioning and testing according to PN-EN ISO 139:2006 + A1:2012, temp. 20° C ± 2 °C, R.H. 65% ± 4%, the abradant: the standard woolen fabric; number of test specimens: 3, number of evaluators: 3, mass of weight: (415 ± 2) g.
	5	
	5	
	5	
	5	
	<b>5</b>	
	<b>no change</b>	
- <u>fuzzing</u> the number of rubs 125 500 1 000 2 000 5 000 <b>7 000</b>	5	
	5	
	5	
	5	
	5	
	<b>5</b>	
	<b>no change</b>	
- <u>matting</u> the number of rubs 125 500 1 000 2 000 5 000 <b>7 000</b>	4 - 5	
	4 - 5	
	4 - 5	
	4	
	4	
	<b>4</b>	
	<b>slight surface matting</b>	

**Person authorizing the Test Report**

LABORATORIUM METROLOGII WŁÓKIENNICZEJ  
 I ELEKTROSTATYKI  
 Z-CIA KIEROWNIKA

*mgr inż. Jerzy Andrysiak*

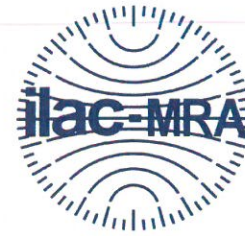
The end of Test Report





**Łukasiewicz**

Lodz Institute of Technology



AB 164

**Laboratory of Textile Metrology and Electrostatics**

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**TEST REPORT NO. BL-ME 272.3 / 2024 / B / A**

- 1. Test ordered by:** <sup>X</sup> „TOPTEXTIL” Sp. z o.o., 29 Mickiewicza Street, 34-100 Wadowice
- 2. Name and description of tested material:** the sample: <sup>X</sup> **The upholstery knitted fabric SMART VELVET**, declared raw material composition: 100% Polyester.
- 3. Date of receiving material for testing:** 2024-04-24
- 4. Date of test performance:** 2024-05-14÷20
- 5. Samples taken by:** <sup>X</sup> correct sample size in appropriate state for testing, taken by the Client and delivered with/without the Sampling Protocol
- 6. Tests carried out according to:** methods presenting in testing table

**Results of Laboratory Tests**

see: page 2/2

Test performed by: Elżbieta Olczak

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6. Measurement uncertainty, if it is specified, has been determined according to the recommendations presented in document ILAC-G17:01/2021. Presented values of uncertainty constitute expanded uncertainty at 95% confidence level and coverage factor  $k = 2$ .
7. Laboratory uses the requirements of ILAC-G8:09/2019. The conformity statement of test result with requirements/s specification takes place, when the test results together with expanded uncertainty does not exceed the tolerance limit given in specification. The conformity statement's rules given by Client could be allowed.

**Test Report date:** 2024-05-23

**Number of Test Report 's copies:** 2

**Test Report handed to:**

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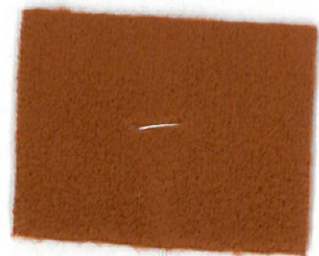
**Test Report prepared by:**

Patrycja Bąk

**Person authorizing the Test Report:**

LABORATORIUM METROLOGII WŁÓKIENNICZEJ  
I ELEKTROSTATYKI  
**Z-CA KIEROWNIKA**

*mgr inż. Jerzy Andrysiak*



Łukasiewicz  
Technologiczne Centrum Akredytacji  
Włókiennicza 5/15  
92-103 Łódź, ul. Brzezińska 5/15  
tel. 42 61 63 142, fax 42 61 63 131

**TEST REPORT NO. BL-ME 272.3 / 2024 / B / A**

Parameter	Value	Remarks	
Abrasion resistance, number of rubs	color change after 3 000 rubs, grade of grey scale	4 - 5	PN-EN ISO 12947-2:2017-02 + PN-EN 14465:2005+A1:2007, Annex A  climate for conditioning sample and testing according to PN-EN ISO 139:2006 + A1:2012, temp. 20° C ± 2 °C, R.H. 65% ± 4%, the abradant: the standard woolen fabric, the nominal pressure used in the test: 12 kPa, magnification factor in the magnifying device: 8. Criterion of <u>destruction of the testing specimens in accordance with that standard:</u> cut pile knitted fabric – pile spots of 5 mm <sup>2</sup> are fully worn off without any damage to the rows/columns threads in knitted fabric.
	1 specimen	60 000	
	2 specimen	60 000	
	3 specimen	60 000	
	4 specimen	60 000	
<b>Total abrasion resistance</b> (the lowest individual result)	<b>60 000</b>		

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

**A category: number of rubs ≥ 45 000,** B category: number of rubs: 25 000 ÷ 40 000,  
 C category: number of rubs: 10 000 ÷ 20 000

**Person authorizing the Test Report**

LABORATORIUM METROLOGII WŁOKNIENICZEJ  
I ELEKTROSTATYKI

**Z-CA KIEROWNIKA**

*mgr inż. Jerzy Andrzejak*

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



**Laboratory of Textile Metrology and Electrostatics**

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**TEST REPORT NO. BL-ME 272.2 / 2024 / B / A**

1. **Test ordered by:** <sup>X</sup> „TOPTEXTIL” Sp. z o.o., 29 Mickiewicza Street, 34-100 Wadowice
2. **Name and description of tested material:** the sample: <sup>X</sup> **The upholstery knitted fabric SMART VELVET**, declared raw material composition: 100% Polyester.
3. **Date of receiving material for testing:** 2024-04-24
4. **Date of test performance:** 2024-05-20
5. **Samples taken by:** <sup>X</sup> correct sample size in appropriate state for testing, taken by the Client and delivered with/without the Sampling Protocol
6. **Tests carried out according to:** methods presenting in testing table

**Results of Laboratory Tests**

see: page 2/2

**Test performed by:** Elżbieta Olczak

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7. Laboratory uses the requirements of ILAC-G8:09/2019. The conformity statement of test result with requirements in specification takes place, when the test results together with expanded uncertainty does not exceed the tolerance in specification. The conformity statement's rules given by Client could be allowed.

**Test Report date:** 2024-05-23

**Number of Test Report 's copies:** 2

**Test Report handed to:**

- 1) „TOPTEXTIL” Sp. z o.o., Wadowice - 1 copy,
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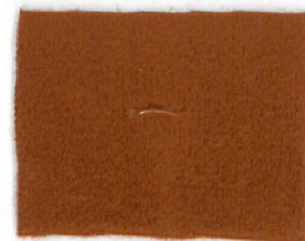
**Test Report prepared by:**

Patrycja Bąk

**Person authorizing the Test Report:**

LABORATORIUM METROLOGII WŁOKIENNICZEJ  
I ELEKTROSTATYKI  
Z-CIA KIEROWNIKA

mgr inż. Jerzy Andrysiak



Silwczka Łukasiewicz  
Instytut Technologiczny  
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92-103 Łódź, ul. Brzezińska 5/15  
tel. 42 61 63 142, fax 42 61 63 131

**TEST REPORT NO. BL-ME 272.2 / 2024 / B / A**

Parameter		Value	Test method
Overall value average tear force, N	longitudinal direction	<b>32 ± 1</b>	PN-EN ISO 13937-3:2002 (single tear method) climate for conditioning sample and testing according to PN-EN ISO 139:2006 + A1:2012, temp. 20° C ± 2 °C, R.H. 65% ± 4%, tensile machine: Zwick 1120, rate of extension: 100 mm/min., distance between clamps: 100 mm, method of calculating average values: electronic; number of test specimens: 5 in each direction.
	cross direction	<b>23 ± 4</b>	

**Evaluation:** according to PN-EN 14465:2005 + A1:2007: A category: ≥ 40 N, B category: ≥ 30 N, C category: ≥ 25 N, D category: ≥ 20 N, **E category: ≥ 15 N**

LABORATORIUM  
**Person authorizing the Test Report**  
 I ELEKTROSTATYKI

**Z-CA KIEROWNIKA**

*mgr inż. Jerzy Andrysiak*

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





**Łukasiewicz**

Lodz Institute of Technology

**Laboratory of Textile Metrology and Electrostatics**

Łukasiewicz Research Network – Lodz Institute of Technology,  
90-570 Lodz, 19/27 Marii Skłodowskiej-Curie Str.,  
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AB 164

**TEST REPORT NO. BL-ME 272.1 / 2024 / B / A**

- 1. Test ordered by:** <sup>x</sup> „TOPTEXTIL” Sp. z o.o., 29 Mickiewicza Street, 34-100 Wadowice
- 2. Name and description of tested material:** the sample: <sup>x</sup> **The upholstery knitted fabric SMART VELVET**, declared raw material composition: 100% Polyester.
- 3. Date of receiving material for testing:** 2024-04-24
- 4. Date of test performance:** 2024-05-15
- 5. Samples taken by:** <sup>x</sup> correct sample size in appropriate state for testing, taken by the Client and delivered with/without the Sampling Protocol
- 6. Tests carried out according to:** methods presenting in testing table

**Results of Laboratory Tests**

see: page 2/2



**Test performed by:** Elżbieta Olczak

1. Test results refer only to the tested material.
2. Neither of the parts of this Test Report can be copied without written permission of the Head of the Laboratory; it can be copied only as a whole document.
3. Test 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 results table, at the parameter name.
5. Test Report consists of test results carried out in location 90-520 Łódź, ul. Gdańska 118 (G) / 92-103 Łódź, ul. Brzezińska 5/15 (B).
6. Measurement uncertainty, if it is specified, has been determined according to the recommendations presented in document ILAC-G17:01/2021. Presented values of uncertainty constitute expanded uncertainty at 95% confidence level and coverage factor  $k = 2$ .
7. Laboratory uses the requirements of ILAC-G8:09/2019. The conformity statement of test result with requirements specification takes place, when the test results together with expanded uncertainty does not exceed the tolerance limit given in specification. The conformity statement's rules given by Client could be allowed.

**Test Report date:** 2024-05-23

**Number of Test Report 's copies:** 2

**Test Report handed to:**

- 1) „TOPTEXTIL” Sp. z o.o., Wadowice - 1 copy,
- 2) Laboratory of Textile Metrology and Electrostatics (location: 5/15 Brzezińska str.) - 1 copy.

**Test Report prepared by:**

Patrycja Bąk

**Person authorizing the Test Report:**

LABORATORIUM METROLOGII WŁÓKNIENICZEJ  
I ELEKTROSTATYKI  
Z-CA KIEROWNIKA

mgr inż. Jerzy Andrysiak

Sieć... Łukasiewicz...  
Laboratorium Metrologii Włókienniczej i Elektrostatyki  
Łódź, ul. Brzezińska 5/15  
Witkiewicza 118  
92-103 Łódź, ul. Brzezińska 5/15  
tel. 42 61 63 131

**TEST REPORT NO. BL-ME 272.1 / 2024 / B / A**

Parameter		Value	Test method
The mean of maximum force, N	longitudinal direction	<b>450 ± 10</b>	PN-EN ISO 13934-1:2013-07 climate for conditioning sample and testing according to PN-EN ISO 139:2006 + A1:2012, temp. 20° C ± 2 °C, R.H. 65% ± 4%, tensile machine: Hounsfield H5KS, rate of extension: 100 mm/min., pretension: 5N, distance between clamps: 200 mm, number of test specimens: 5 in each direction.
	cross direction	<b>360 ± 10</b>	
The mean of elongation at maximum force, %	longitudinal direction	<b>69,0 ± 2,5</b>	
	cross direction	<b>85 ± 4</b>	

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

A category: > 600 N, B category: ≥ 400 N, **C category: ≥ 350 N**, D category: ≥ 250 N

**Person authorizing the Test Report**

LABORATORIUM METROLOGII WŁÓKIENNICZEJ  
 I ELEKTROSTATYKI  
**Z-CA KIEROWNIKA**

*mgr inż. Jerzy Andrysiak*

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



**Laboratory of Flammability Testing**

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e-mail: [krzysztof.kostanek@lit.lukasiewicz.gov.pl](mailto:krzysztof.kostanek@lit.lukasiewicz.gov.pl)



AB 029

**TEST CERTIFICATE No 95 / BL - PW / 24**

**Test method:**

PN-EN 1021-1:2014-12 Furniture. Assessment of the ignitability of upholstered furniture. Part 1: Ignition source smouldering cigarette.

**Orderer\*:**

Toptextil Sp. z o.o.  
ul. Mickiewicza 29  
34-100 Wadowice

**Subject of testing\*:**

Upholstery composite:  
- upholstery fabric named SMART VELVET; composition: 100% Polyester,  
- flame-retardant foam RF 30120  
Testing sample with the correct size, in appropriate state for testing, supplied by the Orderer with its characteristic and without the Sampling Protocol.

**Results of testing:**

Standard	Test method	Result
PN-EN 1021-1:2014-12	Ignition source: smouldering cigarette	<b>Neither progressive smouldering ignition nor flaming ignition occurred.</b>

The above test results relate only to the ignitability of the combination of materials under the particular conditions of test; they are not intended as a means of assessing the full potential fire hazard of the materials in use.

Tests performed by:

*Bartkovicz*

Paulina Bartkovicz MSc.

Test Certificate authorized by

LABORATORIUM  
BADAŃ PALNOŚCI WYROBÓW  
KIEROWNIK

*dr inż. Krzysztof Kostanek*

Sample received on: 08.04.2024  
Test performed on: 10.04.2024  
Test Certificate issued on: 10.04.2024

**NOTES:**

1. The Testing results refer only to the tested sample.
2. Test Certificate consists of 2 pages.
3. Test Certificate must not be reproduced in another way, than as a whole without a prior written consent of the Testing Laboratory.
4. The Orderer using this Test Certificate is responsible for the conformity between the product and sample submitted for testing.
5. \*Data provided by the Customer.

**DETAILED TESTING RESULTS**

Climate conditions: temperature (23 ± 2) °C; humidity (50 ± 5) %; time 24 h  
 Testing conditions: temperature 22 °C; humidity 47 %

**Preparation of test samples:**

the upholstery fabric, exposed to wetting in water and drying procedure, in accordance with Appendix D of the PN-EN 1021-1:2014-12 standard.

**Upholstery composite characteristic:**

upholstery composite:

- upholstery fabric named SMART VELVET; composition: 100% Polyester,
- flame-retardant foam RF 30120.

Test method according to PN-EN 1021-1:2014-12

Criteria		Cigarette			Remarks					
		1	2	3						
Smouldering criteria	Unsafe escalating combustion	NO	NO	-	Maximum cigarette smouldering time:  19 minutes 51 seconds					
	Test assembly consumed	NO	NO	-						
	Smoulders to extremities	NO	NO	-						
	Smoulders through thickness	NO	NO	-	Maximum upholstery composite destruction:					
	Smoulders more than 1 hour	NO	NO	-						
	In final examination, presence of active smouldering	NO	NO	-						
Flaming criteria	Occurrence of flames	NO	NO	-	horizontal [mm]			vertical [mm]		
					length	width	depth	length	width	depth
					71	13	8	70	12	6

**Result of testing:** Neither progressive smouldering ignition nor flaming ignition occurred.

END OF THE TEST CERTIFICATE