

Laboratory of Flammability Testing

Lukasiewicz Research Network – Lodz Institute of Technology, 90-570 Lodz, 19/27 Marii Sklodowskiej-Curie Str., phone +48 42 307 09 01 Laboratory: 90-520 Lodz, 118 Gdanska Str., phone +48 42 2534435 (436), e-mail: krzysztof.kostanek@lit.lukasiewicz.gov.pl





AB 029

TEST CERTIFICATE No 150 / 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 DROP; 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	Neither progressive smouldering ignition nor flaming ignition occurred.

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:

32460011

Paulina Bartkowicz MSc.

Sample received on: Test performed on:

20.05.2024 04.06.2024

Test Certificate issued on:

05.06.2024

Test Certificate authorized by

BADAN PAKNOŚCI WYROBÓW KYEROWNIK

dr inz. Krzysztof Kostanek

NOTES:

- The Testing results refer only to the tested sample.
- Test Certificate consists of 2 pages.
- Test Certificate must not be reproduced in another way, than as a whole without a prior written consent of the Testing 3. Laboratory
- The Orderer using this Test Certificate is responsible for the conformity between the product and sample submitted for testing.
- *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 38 %

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 DROP; composition: 100% Polyester,

- flame-retardant foam RF 30120.

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

Cuitouio		Ci	garette	9			Dom	arke		
	Criteria	1	2	3	Remarks					
	Unsafe escalating combustion	NO	NO	-	Maximum cigarette					
	Test assembly consumed	NO	NO	-	smouldering time:					
	Smoulders to extremities	NO	NO	-	Same and the same					
Smouldering	Smouldering Smoulders through thickness		NO	-	19 minutes 12 seconds					
criteria	riteria Smoulders more than 1 hour		NO	1						
	In final examination, presence of active smouldering	NO	NO	-	Maximum upholstery composite destruction:					
Flaming		NO				ontal [-		tical [m	m] depth
criteria	5 6 61		NO	-	length 74	width 11	depth 2	length 68	12	1

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

END OF THE TEST CERTIFICATE







Laboratory of Chemical Instrumental Analysis

Łukasiewicz Research Network – Lodz Institute of Technology, 90-570 Lodz, 19/27 Marii Sklodowskiej-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,

gabriela.palucka@lit.lukasiewicz.gov.pl

Łódź, 3rd July 2024

L-282/2024

TEST CERTIFICATE No BL-AI 275/570/2024/A/I

1. Name and address of the principal x): Toptextil Sp. z o.o.

ul. Mickiewicza 29, 34-100 Wadowice

2. Subject of study X): sample - furn

sample - furniture upholstery fabric DROP, raw material

composition: 100 % polyester

3. Date of receiving sample for testing: 20.05.2024

4. Date of the test conducting: 13.06 - 25.06.2024

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	Reference document	Test conditions	for cate	of require gories ac N 14465: A1:2007	cording
***************************************	[ucg.cc]			Α	В	С
Colour fastness to: - artificial light 1)	a/ 5-6	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

 $^{^{1)}}$ Colour fastness according to "Blue scale", indicator "8" means – no change in colour, indicator "1" means – big change in colour.

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. X) Data provided by the principal/customer.

4. Total number of pages of the test certificate: 1.

Test conducted by: Marta Łatwińska PhD Authorized by:

LABORATORIUM CHEMICZNYCH ANALIZ INSTRUMENTALNYCH LIDER OBSZARU, KJEROWNIK

mgr inż. Agnieszka Lisiak-Kucińska

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 -

a/ change in colour of the sample







Łódź, 3rd July 2024

Laboratory of Chemical Instrumental Analysis

Łukasiewicz Research Network - Lodz Institute of Technology, 90-570 Lodz, 19/27 Marii Sklodowskiej-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,

gabriela.palucka@lit.lukasiewicz.gov.pl

L-282/2024

TEST CERTIFICATE No BL-AI 275/570/2024/A

1. Name and address of the principal x): Toptextil Sp. z o.o.

ul. Mickiewicza 29, 34-100 Wadowice

2. Subject of study X):

sample - furniture upholstery fabric DROP, raw material

composition: 100 % polyester

3. Date of receiving sample for testing: 20.05.2024

4. Date of the test conducting:

02.07.2024

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	lest conditions		f require gories ac N 14465 A1:2007 B	cording:2005 +
Colour fastness to: - dry rubbing: 1) warp weft - wet rubbing: 1)	a/ 4-5 a/ 4-5	PN-EN ISO 105- X12:2016-	- time of acclimatisation: 4 h - temperature of the test: 24.5 °C - humidity of the test: 53.7 % - rubbing pick: Ø 16 ± 0.1 mm - push: 9 ± 0.2 N	A ≥ 4-5	≥ 4	≥ 3-4
warp weft	a/ 4-5 a/ 4-5	08	- degree of moisturising of the rubbing fabric: 100 %	≥ 3-4	≥ 3	≥ 2-3

¹⁾ Colour fastness according to "Grey scale", indicator "5" means – no change in colour in cotton rubbing fabric, indicator "1" means - big change in colour.

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

3. X) Data provided by the principal/customer.

4. Total number of pages of the test certificate: 1.

Test conducted by: Marta Łatwińska PhD Authorized by:

LABORATORIUM CHEMICZNYCH ANALIZ INSTRUMENTALNYCH LIDER OBSZARU/KIEROWNIK

W siak-Kucińska mgr inż. Agnieszk

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

a/ staining - the cotton rubbing fabric



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; jerzy.andrysiak@lit.lukasiewicz.gov.pl

TEST REPORT NO. BL-ME 336.2.6 / 2024 / B

- 1. Test ordered by: ", "TOPTEXTIL" Sp. z o.o., 29 Mickiewicza Street, 34-100 Wadowice
- 2. Name and description of tested material: * the sample: The upholstery product DROP, declared raw material composition: 100% Polyester.
- 3. Date of receiving material for testing: 2024-05-20
- 4. Date of test performance: 2024-06-19
- **5. Samples taken by:** Iimited 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) / <u>92-103 Łódź, ul. Brzezińska</u> 5/15(B).
- 4. Measurement uncertainty, if it is specified, has been determined according to the recommendations presented in codiment ILAC-G17:01/2021. Presented values of uncertainty constitute expanded uncertainty at 95% confidence level and level and factor k = 2.
- 5. Laboratory uses the requirements of ILAC-G8:09/2019. The conformity statement of test requirements/specification takes place, when the test results together with expanded uncertainty does not exceed the laterance limit given in specification. The conformity statement's rules given by Client could be allowed.

Test Report date: 2024-07-02 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

Form 7.8.2 Issue 2 X-information delivered by Client



TEST REPORT NO. BL-ME 336.2.6 / 2024 / B

Parameter	Value	Remarks
The mean of bursting strength, kPa	518 ± 85	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%,
The mean of height at burst, mm	20 ± 1	burst device: PSI-BURST, test area: 50 cm², time at burst: (20±5) s, number of test specimens: 5.

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

requirements level: A category: ≥ 600 kPa; **B category:** ≥ **400 kPa;** C category: ≥ 200 kPa

Person authorizing the Test Report

LABORATORIUM METROLOGII WŁÓKIENNICZEJ
I ELEKTROSTATYKI
Z-CA KIĘROWNIKA

mgr inż. Jerzy Andrysiak

The end of Test Report _____



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; jerzy.andrysiak@lit.lukasiewicz.gov.pl

TEST REPORT NO. BL-ME 336.2.5 / 2024 / B

- 1. Test ordered by: "TOPTEXTIL" Sp. z o.o., 29 Mickiewicza Street, 34-100 Wadowice
- 2. Name and description of tested material: * the sample: The upholstery product DROP, declared raw material composition: 100% Polyester.
- 3. Date of receiving material for testing: 2024-05-20
- 4. Date of test performance: 2024-06-12
- **5. Samples taken by:** Iimited 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 poverage factor k = 2.
- 5. Laboratory uses the requirements of ILAC-G8:09/2019. The conformity statement of test results 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: 2024-07-02 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
Z-CA KIEROWNIKA

mgr inż. Jerzy Andrysiak

TEST REPORT NO. BL-ME 336.2.5 / 2024 / B

Parameter	Value	Remarks
Seam slippage resistance, mm:		PN-EN ISO 13936-2:2005
Longitudinal direction	V	climate for conditioning sample and testing
The mean value of resistance to		according to PN-EN ISO $139:2006 + A1:2012$, temp. 20° C \pm 2 °C, RH: $65\% \pm 4\%$,
perforation in the seam for		tensile tester: Hounsfield H50 KM,
longitudinal direction, mm	7 ± 1	testing force: 180 N, 100% PES sewing threads (74 ± 5) tex,
- individual results, mm	7; 6; 8; 6; 8	the number of sewing needle: 110,
	,, 0, 0, 0, 0	the number of stitch: 32±2/100 mm, rate of extension: 50 mm/min.
Cross direction		number of test specimens: 5
The mean value of resistance to		
perforation in the seam for cross		
direction, mm	3 ± 0	
- individual results, mm	2,5; 2,5; 3; 2,5;	
	2,5	

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

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

Person authorizing the Test Report

LABORATORIUM METROLOGII WŁÓKIENNICZEJ
I ELEKTROSTATYKI
Z-CA KIEROWNIKA

mgr inż. Jerzy Andrysiak

__ The end of Test Report __



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; jerzy.andrysiak@lit.lukasiewicz.gov.pl





AB 164

TEST REPORT NO. BL-ME 336.2.4 / 2024 / B / A

- 1. Test ordered by: X "TOPTEXTIL" Sp. z o.o., 29 Mickiewicza Street, 34-100 Wadowice
- 2. Name and description of tested material: the sample: * The upholstery product DROP, declared raw material composition: 100% Polyester.
- 3. Date of receiving material for testing: 2024-05-20
- 4. Date of test performance: 2024-06-28
- **5. Samples taken by:** ^x 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 and coverage factor k = 2.
- 7. Laboratory uses the requirements of ILAC-G8:09/2019. The conformity statement of test result with requirements of specification takes place, when the test results together with expanded uncertainty does not exceed the tolerance limit given specification. The conformity statemen's rules given by Client could be allowed.

Test Report date: 2024-07-02 **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

Form 7.8.1 Issue 2 X- information delivered by Client



TEST REPORT NO. BL-ME 336.2.4 / 2024 / B / A

Parameter		Value	Test method
Propensity fuzzing, pill grade	to surface ing or matting,		PN-EN ISO 12945-2:2021-04 PN-EN ISO 12945-4:2021-04 (modified Martindale method)
- <u>pilling</u> the number of rubs		5	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,
	500	5	number of evaluators: 3, mass of weight: (415 ± 2) g.
	1 000	5	
	2 000	5	
	5 000	5	
	7 000	5 no change	
- fuzzing	the number of rubs 125	5	
	500	5	
	1 000	5	
	2 000	5	
	5 000	4 - 5	
	7 000	4 - 5 slight surface fuzzing	
- <u>matting</u>		not applicable	

Person authorizing the Test Report

LABORATORIUM METROLOGII WŁÓKIENNICZEJ
I ELEKTROSTATYKI
Z-CA KLWROWNIKA

mgr inż. Jerzy Andrysiak

_____ The end of Test Report



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

 $e\text{-mail}: \ beata.witkowska@lit.lukasiewicz.gov.pl; \ jerzy.andrysiak@lit.lukasiewicz.gov.pl; \ jerzy.andrysiak$





AB 164

TEST REPORT NO. BL-ME 336.2.3 / 2024 / B / A

- 1. Test ordered by: X "TOPTEXTIL" Sp. z o.o., 29 Mickiewicza Street, 34-100 Wadowice
- 2. Name and description of tested material: the sample: * The upholstery product DROP, declared raw material composition: 100% Polyester.
- 3. Date of receiving material for testing: 2024-05-20
- 4. Date of test performance: $2024-06-11 \div 18$
- **5. Samples taken by:** ^x 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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- 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 in elementary 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 in specification. The conformity statemen's rules given by Client could be allowed.

Test Report date: 2024-07-02 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 WŁÓKIENNIOZEJ I ELEKTROSTATYKI

Z-CA KIEROWNIKA

mgr inż. Jerzy Andrysiak

Form 7.8.1 Issue 2 X- information delivered by Client



TEST REPORT NO. BL-ME 336.2.3 / 2024 / B / A

Parameter		Value	Remarks
40	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
Abrasion resistance, number of	1 specimen	≥100 000 without reaching the end-point	climate for conditioning sample and testing according to PN-EN ISO 139:2006 + A1:2012,
rubs	2 specimen	≥100 000 without reaching the end-point	temp. 20° C ± 2 °C, R.H. 65% ± 4%, the abradant: the standard woolen fabric, the nominal pressure used in the test: 12 kPa,
	3 specimen	≥100 000 without reaching the end-point	magnification factor in the magnifying device: 8. Criterion of destruction of the testing specimens in accordance with that standard:
	4 specimen	≥100 000 without reaching the end-point	flat fabric – three threads are completely broken.
	Total abrasion resistance (the lowest individual result)	≥100 000 without reaching the end-point	

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

LAPERSON I Authorizing the Mesti Report

Z-CA KIEROWNIKA

Jerzy Andrysiak

The end of Test Report	



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; jerzy.andrysiak@lit.lukasiewicz.gov.pl





AB 164

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TEST REPORT NO. BL-ME 336.2.2 / 2024 / B / A

- 1. Test ordered by: X "TOPTEXTIL" Sp. z o.o., 29 Mickiewicza Street, 34-100 Wadowice
- 2. Name and description of tested material: the sample: X The upholstery product DROP, declared raw material composition: 100% Polyester.
- 3. Date of receiving material for testing: 2024-05-20
- 4. Date of test performance: 2024-06-10
- 5. Samples taken by: X 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 to the 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 specification takes place, when the test results together with expanded uncertainty does not exceed the tolerance limit given in specification. The conformity statemen's rules given by Client could be allowed.

Test Report date: 2024-07-02 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

TEST REPORT NO. BL-ME 336.2.2 / 2024 / B / A

Parameter		Value	Test method		
Overall value avarage tear force, N	longitudinal direction	No complete tearing of the product (only the backing was torn). The tear was not at right angles to the direction of the force. This method is not suitable for this product.	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,		
	cross direction	No complete tearing of the product (only the backing was torn). The threads were coming loose from this product. This method is not suitable for this product.	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.		

Person authorizing the Test Report

LABORATORIUM METROLOGII WŁÓKIENNICZEJ
I ELEKTROSTATYKI
Z-CA KIEROWNIKA

mgr inż. Jerzy Andrysiak

_____ The end of Test Report _



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; jerzy.andrysiak@lit.lukasiewicz.gov.pl





AB 164

TEST REPORT NO. BL-ME 336.2.1 / 2024 / B / A

- 1. Test ordered by: X "TOPTEXTIL" Sp. z o.o., 29 Mickiewicza Street, 34-100 Wadowice
- 2. Name and description of tested material: the sample: * The upholstery product DROP, declared raw material composition: 100% Polyester.
- 3. Date of receiving material for testing: 2024-05-20
- 4. Date of test performance: 2024-06-11
- **5. Samples taken by:** ^x 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 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 specification takes place, when the test results together with expanded uncertainty does not exceed the tolerance finite with in specification. The conformity statemen's rules given by Client could be allowed.

Test Report date: 2024-07-02 **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

Bad

mgr inż. Jerzy Andrysiak

Page 1 of 2

Form 7.8.1 Issue 2 X- information delivered by Client

TEST REPORT NO. BL-ME 336.2.1 / 2024 / B / A

Parameter		Value	Test method
The mean of	longitudinal direction	1600 ± 0	PN-EN ISO 13934-1:2013-07 climate for conditioning sample and testing according
maximum force, N	cross direction	720 ± 20	to PN-EN ISO 139:2006 + A1:2012, temp. 20° C ± 2 °C, R.H. 65% ± 4%,
The mean of elongation at	longitudinal direction	31,0 ± 2,0	tensile machine: Hounsfield H5KS, rate of extension: 100 mm/min., pretension: 5N,
maximum force, %	cross direction	14,5 ± 2,0	distance between clamps: 200 mm, number of test specimens: 5 in each direction.

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 METROLUGII WŁÓKIENNICZEJ

I ELEKTROPIATYKI

Z-CA KIEROWNIKA

mgr int. Jerzy Andrysiak

_____ The end of Test Report _____