

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

**TEST CERTIFICATE NO. BM 641.1 / 2018 / G / A**

1. **Test ordered by:** „TOPTEXTIL” Sp. z o.o.  
30-415 Kraków, ul. Wadowicka 12
2. **Name and description of tested material:** sample - **mattress fabric CASSINO;**  
**declared raw materials: 100% Polyester**
3. **Date of receiving material for testing:** 2018-12-20
4. **Date of test performance:** 2018-12-28÷31
5. **Samples taken by:** correct 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:** Krystyna Wierus M.Sc. Eng

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; it can be copied only as a whole document.*
3. *Test Certificate 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. *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  $k = 2$ .*

**Certificate date:** 2019-01-03

**Number of Certificate copies:** 4

**Test Certificate handed to:**

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

**Certificate prepared by:**

Zofia Mokwińska M.Sc. Eng

**INSTYTUT WŁÓKIENICTWA**  
**LABORATORIUM BADAŃ SUROWCÓW**  
**I WYROBÓW WŁÓKIENICZYCH**  
92-103 Łódź, ul. Brzezinska 5/15  
Siedziba 90-520 Łódź, ul. Gdańska 118  
tel. 42 25 34 419, fax 42 25 34 490

**Person authorizing the Test Certificate:**

Surname and name: Beata Witkowska, Ph. D.

Function: Head of Laboratory  
Laboratorium Badań Surowców  
i WYROBÓW Włókienniczych

Signature: **KIEROWNIK**

*Beata Witkowska*  
dr inż. **Beata Witkowska**

TEST CERTIFICATE NO. BM 641.1 / 2018 / G / A

Parameter	Value	Remarks
<b>Dimensional change after one washing and drying, %</b> -lengthwise direction, % -widthwise direction, %	- <b>4,5 ± 0,5</b> - <b>2,5 ± 0,5</b>	PN-EN ISO 5077:2011 PN-EN ISO 3759:2011 number of washings / washing procedure number / drying procedure according to PN-EN ISO 6330:2012 <b>1 x / 6N</b> at temperature 60°C / <b>procedure A</b> –line dry, number of samples – 3, mass of the samples – 152 g, type of ballast: - III, reference detergent 3, the washer type A, (-) shrinkage, (+) extension.

\_\_\_\_\_ The end of Test Certificate \_\_\_\_\_

Person authorizing the Test Certificate

Laboratorium Badań Surowców  
i Wyrobów Włókienniczych

KIEROWNIK

*Beata Witkowska*  
dr inż. Beata Witkowska

**TEST CERTIFICATE No. 6.3 / ODPRAN / BE /19**

**Orderer:** Toptextil Sp. z o.o.  
ul. Wadowicka 12  
30-415 Kraków

**Testing method:** PN-EN ISO 105-C06:2010 Textiles. Tests for colour fastness.  
Part C06: Colour fastness to domestic and commercial laundering.

**Subject of test:** sample – mattress fabric CASSINO;  
declared raw materials: 100% Polyester  
Sampled and delivered by orderer, in a proper condition for test.

INSTYTUT WŁÓKIEN I DZIAŁALNOŚCI  
LABORATORIUM BADAŃ EKOLOGII TEKSTYLÓW  
I ŚRODOWISKA PRACY  
90-520 Łódź, ul. Gdańska 118  
tel. 42 25 34 422, fax 42 25 34 490

**Test results:**

TESTED PARAMETER	Determination [Grading]							
	Change in colour	Staining						
		WO	PAN	PES	PA	CO	CA	CV
Colour fastness to:								
Washing	5	-	-	5	-	5	-	-
Methods number	C1S (60 °C)							
Quantity of steel's small balls	25							
Reference detergent	recommended by ECE							

The test results refer to testing conditions of the method.

The colour fastness rating goes gradually from: rating 5 - no contrast (best rating) to rating 1 - large contrast (worst rating).

Possible values of the gray scale: 5, 4-5, 4, 3-4, 3, 2-3, 2, 1-2, 1.

**Test carried out by:** mgr inż. Agnieszka Kaleta

**Sample delivered at:** 2019-01-03

**Test finished at:** 2019-01-09

**Authorized Test Certificate:**

LABORATORIUM BADAŃ EKOLOGII TEKSTYLÓW  
I ŚRODOWISKA PRACY  
KIEROWNIK  
*Agnieszka Dąbek*  
mgr Agnieszka Dąbek  
09.01.2019

**NOTES:**

1. The test certificate results only refer to the sample material provided.
2. The test certificate contains 1 page.
3. The test certificate shall not be reproduced, except in full, without the written approval of Testing Laboratory.
4. Orderer shall be responsible for the conformity of product with the test sample, where the test certificate is used.

LABORATORY OF FLAMMABILITY TESTING  
90-520 Łódź, ul. Gdańska 118, tel.: +48(0) 42 2534435, +48(0)42 2534436, fax.+48(0)42 2534490**REPORT ON FLAMMABILITY TESTING OF MATTRESSES****No 56 / BP / 14****Test method:**

1. PN-EN 597-1:1999 Furniture. Assessment of the ignitability of mattresses and upholstered bed bases. Part 1: Ignition source: Smouldering cigarette..

**Orderer:**„TOPTEXTIL” Sp. z o.o.  
ul. Wadowicka 12  
30-415 Kraków**Subject of testing:**

Mattress composition:

- mattress fabric named **CASINO**,  
composition: 100% polyester
- CM-3040 polyurethane foam, flame-retardant

Testing sample of the fabric and its characteristic supplied by the Orderer.

**INSTYTUT WŁÓKIENICTWA**  
Oddział ul. Gdańska 118  
90-520 Łódź, tel. 42 2534400, fax 42 2534490  
NIP 724-000-06-64 REGON 1400050239**Results of testing:**

Standard	Test method	Result
PN-EN 597-1:1999	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 mattress, mattress pillow or upholstered bed base in use.

Tests performed by:

Andrzej Kubacki

Report authorized by:

Laboratorium Badań Palności Wytrobów  
KIEROWNIK

mgr inż. Małgorzata Szejna

Sample received on: 11.03.2014

Test performed on: 26.03.2014

**NOTES:**

1. The Testing results refer only to the tested sample.
  2. The report consists of 2 pages.
  3. The report 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 report is responsible for the conformity between the product and sample submitted for testing.
- The Testing Laboratory, accredited by the Polish Centre for Accreditation (PCA), has Certificate AB 029 within the scope of tests concerning: the flame retardance, high temperature resistance, liquid chemicals resistance and characteristics of smoke formation in combustion processes

**DETAILED TESTING RESULTS**

Climate conditions: temperature (23 ± 2) °C; humidity (50 ± 5) %  
 Testing conditions: temperature 20 °C; humidity 35 %

Specimen size: length 450 mm x width 350 mm x depth 80 mm

**1. Test method according to PN-EN 1021-1:2007**

Criteria		Cigarette		Place of the smouldering cigarette
		1	2	
Smouldering criteria	Unsafe escalating combustion	NO	NO	Cigarettes 1 and 2 placed on the upper side of the mattress.  Maximum cigarette smouldering time: 15 minutes 36 seconds
	Test assembly consumed	NO	NO	
	Smoulders through thickness	NO	NO	
	Smoulders more than 1 hour	NO	NO	
	Smoulders in distance bigger than 50 mm from place of the ignition source	NO	NO	
Flaming criteria	Occurrence of flames	NO	NO	

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

END OF THE REPORT