CTL® GmbH | Chemisch-Technologisches Laboratorium
Krackser Straße 12 | 33659 Bielefeld | Germany

CTL® GmbH
Chemisch-Technologisches Laboratorium

[CTL®-Nr./*no*] 414651/1

[Artikel / *Article*] CASABLANCA

Artikelpass / *Article profile*

Prüfung *Test*	Prüfmethode *Test specification*	Einheit *Unit*	Prüfergebnis *Test result*	Kategorie *Categorie*
			Kette / *Warp* Schuss / *Weft*	
Scheuerbeständigkeit *Abrasion resistance*	DIN EN ISO 12947-1:2007-04 DIN EN ISO 12947-2:2017-03	Touren *rubs*	Flor / *flor* Florverlust / *loss of flor* >100 000 Fadenbruch / *Yarn breakage* >100 000 Änderung der Farbe nach 3000 Touren: *Change of colour after 3 000 rubs:* Note / *Grade* 4	**A**

[Address] Krackser Straße 12, 33659 Bielefeld, Germany
[Managing Director] Kerry-Luise Prior
[Registered office in] Bielefeld
[Register of Companies] AG Bielefeld, HRB 35-412
[VAT ID No] DE 176 26 5000
[Phone] +49 521 400 82 89 0
[Email] sekretariat@ctl-mails.de
[Homepages] ctl-bielefeld.de, tattoolab.eu
[Bank] Sparkasse Gütersloh, Konrad-Adenauer-Platz 1, 33330 Gütersloh, GERMANY
[SWIFT/BIC] WELADED1GTL
[IBAN] DE87 4785 0065 0004 0053 45

IW
INSTYTUT WŁÓKIENNICTWA
Textile Research Institute
92-103 Łódź, ul. Brzezińska 5/15,
tel. +48(0)42 6163101, fax.+48(0)42 6792638

PCA
AB 029

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 UPHOLSTERY COMPOSITE

No 55 / BP / 14

Test method:

PN-EN 1021-1:2007 Furniture. Assessment of the ignitability of upholstered furniture. Part 1: Ignition source smouldering cigarette.

Orderer:

„TOPTEXTIL" Sp. z o.o.
ul. Wadowicka 12
30-415 Kraków

INSTYTUT WŁÓKIENNICTW
Oddział ul. Gdańska 118
90-520 Łódź, tel 42 2534400, fax 42 25344
NIP 724-000-06-64 REGON 000050239

Subject of testing:

Upholstery composition:
- upholstery fabric named **CASABLANCA,**
  composition: 100% polyester
- CM-3040 polyurethane foam, flame-retardant

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

Results of testing:

Standard	Test method	Result
PN-EN 1021-1:2007	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:
Andrzej Kubacki

Report authorized by:
Laboratorium Badań Palności Wyrobów
KIEROWNIK
mgr inż. Małgorzata Szejna
01. 04. 2014

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.

DETAILED TESTING RESULTS

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

Upholstery composite characteristic:

Upholstery composition:
- upholstery fabric named CASABLANCA, exposed to wetting in water and drying procedure, composition: 100% polyester,
- CM-3040 polyurethane foam, flame-retardant

Criteria		Cigarette 1	Cigarette 2	Remarks						
Smouldering criteria	Unsafe escalating combustion	NO	NO	Maximum cigarette smouldering time: 19 minutes 38 seconds						
	Test assembly consumed	NO	NO							
	Smoulders to extremities	NO	NO							
	Smoulders through thickness	NO	NO							
	Smoulders more than 1 hour	NO	NO	Maximum upholstery composite destruction:						
	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	
				70	17	11	67	17	9	

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

END OF THE REPORT

IW INSTYTUT WŁÓKIENNICTWA
Textile Research Institute
92-103 ŁÓDŹ, ul. Brzezińska 5/15,
tel. +48(0)42 6163140, 42 6163141, fax.+48(0)42 6792638

UNIA DLA PRZEDSIĘBIORCZYCH
UNIA EUROPEJSKA
Laboratorium doposażone ze środków
Europejskiego Funduszu Rozwoju Regionalnego

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

ilac-MRA

PCA Polskie Centrum Akredytacji BADANIA
AB 164

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

BM-904-36.1-G/13

Test Report no. 36.1.2 / 2013 / 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 product **CASABLANCA**, declared raw material: 100 % polyester
3. **Date of receiving material for testing:** 2013-01-24
4. **Date of test performance:** 2013-01-30÷2013-02-05
5. **Samples taken:** correct sample size taken by the Client and delivered in appropriate state for testing
6. **Tests carried out according to**: methods presenting in testing table



Results of Laboratory Tests

see page 2/2

Test performed by: Izabela Jasińska, Ph. D.

1. *Test results refer only to the tested material.*
2. *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.*
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.*

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

Report date: 2013-02-08
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:

Laboratorium Badań Surowców
i Wyrobów Włókienniczych
siedziba ul Gdańska 118
dr Inż. Beata Witkowska

Parameter	Value	Remarks
Seam slippage resistance, mm: Warp **The mean value of seam slippage resistance for warp, mm** - individual results, mm Weft **The mean value of seam slippage resistance for weft, mm** - individual results, mm	 **1 ± 0** 1; 1; 1; 1; 1 **4 ± 0** 4; 4; 4; 4; 4	PN-EN ISO 13936-2:2005 tensile tester Instron 3367, testing force - 180N, 100% PES sewing threads – 79 tex, the number of sewing needle - 110, the number of stitch - 32/100 mm, rate of extension - 50 mm/min.
The mean value of bursting strength, kPa Coefficient of variation, % **The mean value of bursting distension, mm** Coefficient of variation, %	**510 ± 13** 2,8 **19 ± 1** 8,6	PN-EN ISO 13938-2:2002 the number of testing samples - 5, testing area - 50 cm^2.
Criterion of breakdown: knitted pile fabric – pile spots of 5 mm^2 are fully worn of without any damage to the courses/wale threads.		

According to standard PN-EN 14465:2005+A1:2007 "Textiles. Upholstery fabrics. Specification and methods of test", **the upholstery product CASABLANCA** was classified as:
- **Level A** in reference to the seam slippage resistance (Level A: ≤ 4 mm),
- **Level B** in reference to the bursting strength (Level B: ≥ 400 kPa),

Note: the pressure to 800kPa no significant difference between the results of bursting strength received from the hydraulic devices PN-EN ISO 13938-1:2002 and pneumatic devices PN-EN ISO 13938-2:2002,
- **Level A** in reference to the abrasion resistance (Level A: ≥ 45 000 rubs).

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

IW INSTYTUT WŁÓKIENNICTWA Textile Research Institute
92-103 ŁÓDŹ, ul. Brzezińska 5/15,
tel. +48 426163101, fax +48 426792638

LABORATORIUM BADAŃ EKOLOGII TEKSTYLIÓW I ŚRODOWISKA PRACY
90-520 Łódź, ul. Gdańska 118, tel.: +48 422534422, +48 422534425, fax +48 42253490

PCA Polskie Centrum Akredytacji BADANIA AB 1401

RAPORT Z BADAŃ / TEST REPORT NR/No 228 / OW / BE / 13

Zleceniodawca: / **Customer:** "TOPTEXTIL" sp. z o.o.
ul. Wadowickwa 12
30-415 Kraków

Metoda badań: / **Testing method:** PN-EN ISO 105-X12:2005 Tekstylia. Badania odporności wybarwień
Część X12: Odporność wybarwień na tarcie

Przedmiot badań: / **Subject of test:** próbka materiału obiciowego CASABLANCA - 100% POLIESTER
the sample of upholstery fabric CASABLANCA - 100% POLYESTER

próbka pobrana i dostarczona przez zleceniodawcę/ Sampled and delivered by customer

Wyniki badań:
Test results:

Odporność wybarwień na tarcie / Colour fastness to rubbing		Ocena (stopień)/Determination [Grading]	
		kierunek wzdłużny/ longways direction	kierunek poprzeczny /crosswise direction
	suche/dry	4	4
	mokre/wet	3-4	3-4
Warunki aklimatyzacji/ Standard atmospheres for conditioning		T-20 ± 2 °C, RH-65 ± 2%, t-5 h	
Warunki klimatyczne badania/Standard atmospheres for testing		warunki otoczenia/conditions of envelopment	
Trzpień trący/Rubbing finger		ϕ = 16 ± 0,1 mm	
Nacisk trzpienia trącego/Downward force of rubbing finger		9 ± 0,2 N	
Stopień nawilżenia tkaniny trącej/Percentage of soak		100%	

Wyniki odnoszą się do określonych w metodzie warunków badania.
The test results refer to testing conditions of the method.

Badanie wykonał/a: Mariola Budziarek

Data otrzymania próbki: / **Sample delivered at:** 2013-04-23

Data wykonania badania: / **Test finished at:** 2013-04-26

Autoryzował: / **authorized:**

p.o. Kierownika Laboratorium Badań Ekologii Tekstyliów i Środowiska Pracy Instytutu Włókiennictwa
mgr inż. Rafał Milola
26.04.2013

UWAGI/ Notes:

1. Wyniki badań odnoszą się jedynie do badanej próbki/ The test results only refer to the sample material provided
2. Raport może być powielany tylko w całości/Reports may be reproduced on full length only
3. Laboratorium akredytowane przez Polskie Centrum Akredytacji /Laboratory accredited by Polish Centre of Accreditation. Certyfikat nr /Certificate no AB 1401.Zakres akredytacji na stronie / The scope of accreditation on www.pca.gov.pl.