

**Laboratorium Badań Surowców  
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AB 164

**LABORATORY OF TESTING TEXTILE RAW MATERIALS AND FABRICS**  
**Testing Laboratory accredited by the Polish Centre for Accreditation****TEST CERTIFICATE NO. BM 57 / 2015 / B / G / A**

1. **Test ordered by:** SINATI Ltd, Mitiznii lane, 5 61020 Kharkiv, Ukraine
2. **Name and description of tested material:** the sample: *ordinary fabric for office chairs production named 15-101-B/37090697*
3. **Date of receiving material for testing:** 09.02.2015
4. **Date of test performance:** 11.03.2015
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:** E. Olczak, M. Plac, K. Wierus

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:** 16.03.2015**Number of Certificate copies:** 3**Test Certificate handed to:**

- 1) SINATI Ltd, Kharkiv, Ukraine -- 2 copies
- 2) Laboratory of Testing Textile Raw Materials and Fabrics - 1 copy

**Certificate prepared by:**

Patrycja Bąk

**Person authorizing the Test Certificate:**

Name and surname: Halina Królikowska

Function: Head of the Laboratory of Testing Textile Raw Materials and Fabrics

Signature: 

mgr inż. Halina Królikowska

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Parameter	Value	Test method	
Colour fastness to artificial light, grade	7	PN-EN ISO 105-B02:2013-08 method 2 <i>device type: Xenotest Alpha HE, exposure conditions according to this European Standard paragraph 7: conditions of temperate zone - exposure cycle A1,</i> <b>Assesment:</b> Visual assesment by comparison with blue wool lightfastness references: from 1 (very low colour fastness) to 8 (very high colour fastness)	
Propensity to surface fuzzing and pilling, grade	<i>the number of rubs</i> 500	PN-EN ISO 12945-2:2002 (modified Martindale method) <i>Test conditions:</i> the abradant; the standard woolen fabric; mass of weight: 415 ± 2 g.	
	1 000		
	2 000		
	4 slight surface fuzzing and partially formed pills		
Abrasion resistance, number of rubs	1 specimen	90 000	PN-EN ISO 12947-2:2000+ AC:2006 + PN-EN 14465:2005+A1:2007, Annex A <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. <u>Criterion of destruction of the testing specimens in accordance with that standard:</u> at least three thread completely destroyed
	2 specimen	90 000	
	3 specimen	90 000	
	4 specimen	90 000	
	<b>Total abrasion resistance (the lowest individual result)</b>	<b>90 000</b>	

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

Person authorizing the Test Certificate

Kierownik  
Laboratorium Badań Surowców  
i Włókien Włókienniczych  
Instytut Włókiennictwa  
*[Signature]*  
mgr inż. Halina Królikowska