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AB 164

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

BM-904-11.5-G/12

Test Report no. 11.5.1 / 2012 / G / A

2. **Name and description of tested material:** the sample: the upholstery fabric **FLORENCJA**,
declared raw material: 65% polyurethane, 35% cotton
3. **Date of receiving material for testing:** 2012-06-04
4. **Date of test performance:** 2012-06-11-18
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: Krystyna Wierus M.Sc. Eng

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.*

Report date: 2012-06-20**Number of report copies:** 4**Test report handed to:**

- 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:
Laboratory of Testing Textile Raw Materials and Fabrics
Siedziba: ul. Gdańska 118

dr inż. Beata Witkowska

- Verte -

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Parameter	Value	Remarks			
The mean value of tear force, N - longitudinal direction - transverse direction Variation coefficient, % - longitudinal direction - transverse direction	150 ± 12 100 ± 7 8,8 7,7	PN-EN ISO 4674-1:2005, method A, double tearing Tensile tester- Zwick 1120, number of testing specimens for each direction: 5, rate of extension:100 mm/min, distance between clamps:100 mm, width of sample: 150 mm			
Parameter	Degree / Assessment of damage to the sample				
Abrasion resistance, degree (specimen damage assessment)	the number of rubs	1 specimen	2 specimen	3 specimen	4 specimen
	1 600	0 no damage	0 no damage	0 no damage	0 no damage
	3 200	0 no damage	0 no damage	0 no damage	0 no damage
	6 400	0 no damage	0 no damage	0 no damage	0 no damage
	12 800	0 no damage	0 no damage	0 no damage	0 no damage
	25 600	0 no damage	0 no damage	0 no damage	0 no damage
	38 400	0 no damage	0 no damage	0 no damage	0 no damage
	51 200	0 no damage	0 no damage	0 no damage	0 no damage
	102 400	0 no damage	0 no damage	0 no damage	0 no damage
	Remarks PN-EN ISO 5470-2:2005, method 1, the abradant – the standard woolen fabric, dry test, the nominal pressure used in the test - 12 kPa. <i>Damage assessment:</i> degree 5 - total damage, appeared the ground of product, degree 0 - no damage; no change.				
Value: Degree 0 – No damage. No change.					

According to standard PN-EN 15618:2009 "Rubber - or plastic-coated fabrics. Upholstery fabrics. Classification and methods of test", **the upholstery fabric FLORENCJA** was classified as:

- **Level A_{cf}** in reference to the tear strength (level A_{cf} ≥ 50N),
- **Level A_{cf}** in reference to the abrasion resistance (level A_{cf}: at 102 400 rubs, wool abradant, grade 2 minimum).

The end of the Test Report

Person authorizing the Test Report:

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 dr inż. Beata Witkowska