



Laboratorium Badań Surowców i Wyróbów Włókienniczych

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AB 164

BM-904-55-G/10

Test Report no. 55.2 / 2010 / G / A

- Name and description of tested material:** the sample: the sample - the upholstery fabric
ANDRE coordinate - raw material: 81% Polypropylene, 19% Polyester
- Date of receiving material for testing:** 2010-02-03
- Date of test performance:** 2010-02-15÷18
- Samples taken by:** the client
- Tests carried out according to:** methods presenting in testing table



Results of Laboratory Tests

see page 2/3

Test performed by: Ewa Gontarska M.Sc. Eng, Iwona Rybak

- Test results refer only to the tested material.
- 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.
- Report presents test results included within accreditation field of testing
- test results not included in accreditation scope, if occur, are marked with *) in the test result table (at the parameter name).

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Report date: 2010-02-22

Number of report copies: 4

Test report handed to:

- Laboratory for Testing Textile Raw Materials and Fabrics (location: 5/15 Brzezińska str.) - 1 copy,
- 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: dr inż. Beata Witkowska

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- Verte -

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Parameter	Value	Remarks
The mean of maximum force, N: - warp - weft The mean of elongation at maximum force, %: - warp - weft	1 600 ± 0 1 400 ± 0 30,0 ± 1,0 33,0 ± 0,5	PN-EN ISO 13934-1:2002 tensile tester Zwick 1120, pre-tension - 5 N, number of testing specimens for each direction - 5, rate of extension - 100 mm/min, distance between clamps - 200 mm.
Seam slippage resistance, mm: <u>Warp</u> The mean value of seam slippage resistance for warp, mm - individual results, mm <u>Weft</u> The mean value of seam slippage resistance for weft, mm - individual results, mm	 5 ± 0 5; 5; 5; 5; 5 6 ± 0 6; 6; 6; 6; 6	PN-EN ISO 13936-2:2005 tensile tester Zwick 1120, testing force - 180N, 100% PES sewing threads - tex 79, the number of sewing needle - 110, the number of stitch - 32/100 mm.
Abrasion resistance, color change after 3 000 rubs, grade number of rubs	5 1 specimen 30 000 2 specimen 30 000 3 specimen 30 000 4 specimen 30 000 Total abrasion resistance (the lowest individual result)	PN-EN ISO 12947-2:2000 +AC:2006 + PN-EN 14465:2005+A1:2007 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.
Criterion of breakdown: flat woven fabric – three threads are completely broken		

The end of the Test Report

Person authorizing the Test Report:

Kierownik Techniczny
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Opinions and interpretations (see reference ¹⁾)

According to standard PN-EN 14465:2005+A1:2007 "Textiles. Upholstery fabrics. Specification and methods of test", the testing upholstery fabric **ANDRE coordinate** - raw material: 81% Polypropylene, 19% Polyester, was classified:

- **Level A** in reference to the tensile strength (Level A: ≥ 600 N),
- **Level B** in reference to the seam slippage resistance (Level C: ≤ 6 mm).
- **Level B** in reference to the abrasion resistance (Level B: $12\ 000 \div 30\ 000$ rubs),

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¹⁾ Opinions and interpretations are not included in accreditation range.