



Textilní zkušební ústav

Václavská 6, 658 41 Brno, Česká republika
(Textile Testing Institute)

ACCREDITED TESTING LABORATORY No. 1001

TEST REPORT

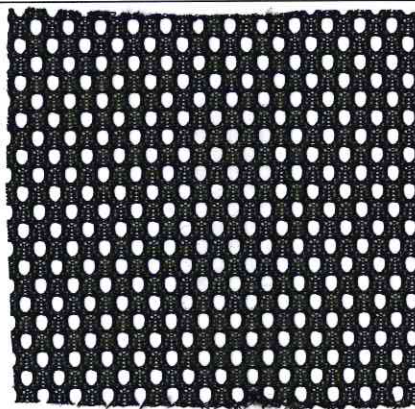
FZZ 12/0434-02/CHZ 0341-02

CUSTOMER:

AB „Audimas“
Raudondvario pl. 80
LT-47182 Kaunas
Lithuania

SAMPLE:

Sport wear - lining (knitted fabric)
(according to the customer order) Colour: black



SUBJECT OF ASSESSMENT:

Tests according to request of customer

**CONDITIONS OF
APPLICATION OF THE TEST
REPORT:**

Test Report contains results of the tests related to the submitted sample only. Consumption of sample was performed by the contracting authority. The Report may not be reproduced in any way other than as a complete set. Reproduction of certain parts of the Report is subject to approval of the test laboratory, which has issued it. All information about subcontracted tests results or unaccredited test methods is presented in text part of the test report. This Report is a literal translation of the Czech version.

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Textilní zkušební ústav

PROCEDURE OF ASSESSMENT***Qualitative composition of the lining material***

analyzed textile was determined using infrared spectroscopy with ATR technique; IMPACT 400, Nicolet Company

Result: type of the material

This test is not accredited method.

Mass per unit area

was determined according to LST EN 12127.

- Conditioning according: relative humidity (65±4) %, temperature (20±2)°C
- Standard atmosphere for testing: relative humidity 66 %, temperature 20°C
- Period of drying: 4 hrs
- Dimension: 10 x 10 cm, Number of samples: 5
- Drying temperature: (105±3)°C

Results: Mass per unit area expressed as g.m⁻²

The change of dimensions after wet treatment

was evaluated according to LST EN ISO 5077. Washing was carried out according to LST EN ISO 6330, in conditions recommended by the producer on attendance symbols.

- Conditioning according: relative humidity (65±4) %, temperature (20±2)°C
- Washing machine: FOM-71MP
- produced by Electrolux-Wascator
- Washing temperature: (30±3)°C, washing procedure: 8A
- Detergent: standard ECE, Detergent concentration: 3g/l
- Number of washing: 1x
- Total mass of the specimens and loading fabric: 2 kg
- Drying: procedure C – horizontal position, Temperature of ironing surface: 150°C

Results: change of dimensions expressed in %

Colour fastness to perspiration

was determined according to LST EN ISO 105-E04

- Alkaline solution of model perspiration
- Acid solution of model perspiration
- Adjacent fabric: Polyester/Cotton

Results: Change in colour to LST EN 20105-A02

Staining of the individual adjacent fabrics to LST EN 20105-A03

Colour fastness to rubbing

was determined according to LST EN ISO 105-X12

- Rubbing conditions: dry
- Rubbing conditions: wet (wetting of rubbing cloth: 100%)
- Rubbing load: for others textile [diameter (16±0,1) mm; press down force (9±0,2) N]
- Climatic conditions during testing: temperature (20±2)°C, relative humidity (65±2) %
- Time of air-conditioning of samples: 4 hour

Result: Numerical value of staining of the adjacent fabric for warp / weft direction to LST EN 20105-A03





Textilní zkušební ústav

Resistance to pilling

was evaluated according to EN ISO 12945-1

- Conditioning according : relative humidity (65±4) %, temperature (20±2)°C
- Standard atmosphere for testing: relative humidity 66 %, temperature 20°C
- Pilling tester: ICI
- Lining of pile testing box: cork - thickness of 3,2 mm
- Rotating speed of the testing box: (60±2) rpm⁻¹
- Polyurethane tubes for the samples
- Number of specimens tested: 4
- Number of evaluators: 3

Results: Resistance to pilling expressed in grade

TEST RESULTS:

Sport wear - lining (knitted fabric) Colour: black			
Characteristics	Test method	Measuring unit	Values found
Qualitative composition	infrared spectroscopy	-	Polyester
Mass per unit area	LST EN 12127	g . m ⁻²	62
Change of dimensions when wet treated (30°C)	LST EN ISO 6330 LST EN ISO 5077	%	warp/weft -0,5/-0,5
Colour fastness to perspiration . alkaline solution . acid solution	LST EN ISO 105-E04	grade grey scale	change in colour/ staining of the adjacent fabric 5/4-5/4-5 5/4-5/4-5
Colour fastness to rubbing . dry . wet	LST EN ISO 105-X12	grade grey scale	staining of the adjacent fabric 4-5 4-5
Resistance to pilling . after 30 minutes	EN ISO 12945-1	grade	5

Elen Klašková

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