



TESTING LABORATORY
Cejl 480/12, 602 00 Brno, Czech Republic

TESTING LABORATORY 1001
accredited according to ČSN EN ISO/IEC 17025:2018 by the Czech Accreditation Institute

TEST REPORT

AZL 26/0239-01

CUSTOMER: Kvadrat A/S
Lundbergsvej 10
8400 Ebeltoft
Denmark


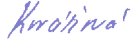
SAMPLE: Loux
(according to the customer order) Item number: 20180
Use surface: 100% lyocell
Colours: 0110, 0920, 0960, 0180, 0230, 0260, 0160, 0610, 0370,
0140, 0130, 0210

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

The laboratory is not responsible for information supplied by the customer that may affect the validity of test results.

Test Report contains results of the tests related to the submitted sample only. Sampling has been done by the customer. 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. Unless otherwise stated, all tests were performed at the address, listed in the header.

PREPARED BY:
CHECKED BY:
NUMBER OF PAGES:

M. Hrubanová 
O. Kovářová 
4

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+420 543 426 730
www.tzu.cz
azl@tzu.cz



Determination of colour fastness to rubbing

was tested according to ČSN EN ISO 105-X12

- rubbing conditions: dry / wet (wetting of rubbing cloth: 100 %)
- rubbing finger: for textiles [diameter (16±0,1) mm; downward force (9±0,2) N]
- climatic conditions during testing: temperature (20±2) °C, RH (65±2) %
- time of air-conditioning of samples: 4 hours

Result: grade of grey scale (staining to cotton rubbing cloth according to ČSN EN ISO 105-A03)

Sample	Results	
Loux, colour 0110	staining in warp / weft direction	
	dry conditions	5 / 5
	wet conditions	4-5 / 4-5
Loux, colour 0920	staining in warp / weft direction	
	dry conditions	5 / 5
	wet conditions	4-5 / 4-5
Loux, colour 0960	staining in warp / weft direction	
	dry conditions	5 / 5
	wet conditions	4-5 / 4-5
Loux, colour 0180	staining in warp / weft direction	
	dry conditions	4-5 / 4-5
	wet conditions	4-5 / 4-5
Loux, colour 0230	staining in warp / weft direction	
	dry conditions	5 / 5
	wet conditions	4-5 / 4-5
Loux, colour 0260	staining in warp / weft direction	
	dry conditions	4-5 / 5
	wet conditions	4 / 4
Loux, colour 0160	staining in warp / weft direction	
	dry conditions	4-5 / 4-5
	wet conditions	4-5 / 4-5
Loux, colour 0370	staining in warp / weft direction	
	dry conditions	4-5 / 4-5
	wet conditions	4 / 4
Loux, colour 0140	staining in warp / weft direction	
	dry conditions	5 / 5
	wet conditions	4-5 / 4-5
Loux, colour 0130	staining in warp / weft direction	
	dry conditions	5 / 5
	wet conditions	4-5 / 4-5





Loux, colour 0210	staining in warp / weft direction	
	dry conditions	5 / 5
	wet conditions	4-5 / 4-5
Loux, colour 0610	staining in warp / weft direction	
	dry conditions	5 / 5
	wet conditions	4-5 / 4-5

Determination of colour fastness to water

was tested according to ČSN EN ISO 105-E01

- adjacent fabrics: viscose / wool
- the option used: samples tested horizontally

Result: grade of grey scale (colour change according to ČSN EN 20105-A02, staining according to ČSN EN ISO 105-A03)

Sample	Results
Loux, colour 0110	colour change / staining 5 / 5 / 5
Loux, colour 0920	colour change / staining 5 / 5 / 5
Loux, colour 0960	colour change / staining 5 / 5 / 5
Loux, colour 0180	colour change / staining 5 / 4-5 / 4
Loux, colour 0230	colour change / staining 5 / 4-5 / 5
Loux, colour 0260	colour change / staining 5 / 4-5 / 5
Loux, colour 0160	colour change / staining 5 / 4-5 / 4-5
Loux, colour 0610	colour change / staining 5 / 4-5 / 5
Loux, colour 0370	colour change / staining 5 / 4-5 / 5
Loux, colour 0140	colour change / staining 5 / 4 / 4-5
Loux, colour 0130	colour change / staining 5 / 4-5 / 4-5
Loux, colour 0210	colour change / staining 5 / 4-5 / 5





Determination of colour fastness to artificial light: Xenon arc fading lamp test


was tested according to ČSN EN ISO 105-B02

- instrument: QSUN-Xe2, model B02, air cooled Xe lamp
- lighting procedure: method 2
- sample's rotation: not used
- exposure conditions: A1 - normal, adequate to mild zone (RH 40 %, BST (45±3) °C)
- approximate radiation energy: (300-400 nm): 20,4 MJ/m²

Result: grade of blue scale

Sample	Results
Loux, colour 0110	colour change 8
Loux, colour 0920	colour change 8
Loux, colour 0960	colour change 8
Loux, colour 0180	colour change 8
Loux, colour 0230	colour change 8
Loux, colour 0260	colour change 8
Loux, colour 0160	colour change 8
Loux, colour 0610	colour change 8
Loux, colour 0370	colour change 8
Loux, colour 0140	colour change 8
Loux, colour 0130	colour change 8
Loux, colour 0210	colour change 8

Approved by:


 Markéta Hrubanová
 Head of Testing Laboratories

End of report

