

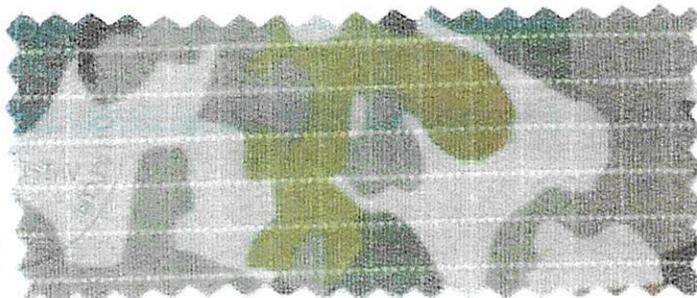
TESTING LABORATORY NO. 1001
accredited according to EN ISO/IEC 17025:2018 by the Czech Accreditation Institute

TEST REPORT

AZL 21/ 1238

CUSTOMER: UAB TEKSNIJA
J. Dobkevičiaus 8a
LT-02189 Vilnius
Lithuania

SAMPLE: **Material: woven fabric article NC 3**
(according to the customer order) Colour: camouflage pattern – Ground color GREY GREEN;
GREEN; BROWN; STRAW; KHAKI



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. Sampling has been done by 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. This Report is a literal translation of the Czech version.

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DATE OF ACCEPTANCE:
8. 10. 2021

DATE OF EXAMINATION:
11. 10. – 12. 11. 2021

DATE OF ISSUE:
15. 11. 2021

PROCEDURE OF ASSESSMENT

No.	Test method	Name
1.	ČSN EN ISO 1833-7:2018	Textiles - Quantitative chemical analysis - Part 7: Mixtures of polyamide with certain other fibres (method using formic acid) Cotton fibres content calculated up to 100 % <i>Uncertainty of measurement: 0,5 %</i>
2.	ČSN EN 12127:1998	Textiles - Fabrics - Determination of mass per unit area using small samples
3.	ČSN EN ISO 9237:1996	Textiles. Determination of the permeability of fabrics to air. <i>pressure: 100 Pa, area: 20 cm²</i>
4.	ČSN EN ISO 13934-1:2013	Textiles - Tensile properties of fabric - Part 1: Determination of maximum force and elongation at maximum force using the strip method
5.	ČSN EN ISO 13937-2:2001	Textiles - Tear properties of fabric - Part 2: Determination of tear force of trouser-shaped test specimens (Single tear method - method D)
6.	ČSN EN ISO 3759:2012	Textiles - Preparation, marking and measuring of fabric specimens and garments in tests for determination of dimensional change
	ČSN EN ISO 6330:2012	Textiles - Domestic washing and drying procedures for textile testing <i>method of washing: 4N; temperature of washing: (40±3) °C number of washing 1x; method of drying: F The combined measurement uncertainty is approximately 0.1 %</i>
	ČSN EN ISO 5077:2008	Textiles - Determination of dimensional change in washing and drying
7.1.	ČSN EN ISO 105-X05:1998	Textiles - Tests for colour fastness - Part X05: Colour fastness to organic solvents <i>adjacent fabrics: polyamide/ cotton</i>
7.2.	ČSN EN ISO 105-X12:2016	Textiles - Tests for colour fastness - Part X12: Colour fastness to rubbing <i>dry rubbing, wet rubbing, adjacent fabrics: cotton</i>
7.3.		
7.4.	ČSN EN ISO 105-C06:2010	Textiles - Tests for colour fastness - Part C06: Colour fastness to domestic and commercial laundering <i>test AIS (40 °C); adjacent fabrics: polyamide/ cotton</i>
7.5.	ČSN EN ISO 105-E04:2013	Textiles - Tests for colour fastness - Part E04: Colour fastness to perspiration <i>acid, alkaline; adjacent fabrics: polyamide/ cotton</i>
7.6.	ČSN EN ISO 105-B02:2015	Textiles - Tests for colour fastness - Part B02: Colour fastness to artificial light: Xenon arc fading lamp test (Method 2)
8.	ČSN EN ISO 12947-2:2017	Textiles - Determination of the abrasion resistance of fabrics by the Martindale method - Part 2: Determination of specimen breakdown <i>Load used for abrasion: (795±2) g, Pressure of: 12 kPa</i>
9.	ČSN EN 1049-2:1995	Textile. Woven fabrics. Construction. Methods of analysis. Part 2: Determination of number of threads per unit length
10.	ČSN EN ISO 14419:2019	Textiles - Oil repellency - Hydrocarbon resistance test
11.	ČSN EN ISO 4920:2013	Textile fabrics - Determination of resistance to surface wetting (spray test)
12.	ČSN 80 0020:1965	Weaves and weaves technique. Terminology
13.	ČSN EN ISO 105- J01 *)	IR Reflectance SHIMADZU UY-2600 Plus; measurement geometry 8°/d tested 3 layers of the same colour on black background

Conditioning: temperature (20±2) °C, relative humidity (65±4) %

*) Test subcontracted by CNM Textil a.s., Laboratory of spectral analysis, Oskava, Czech Republic, Accredited testing laboratory 1688; Test report No 083-R/21 issued 25.10.2021

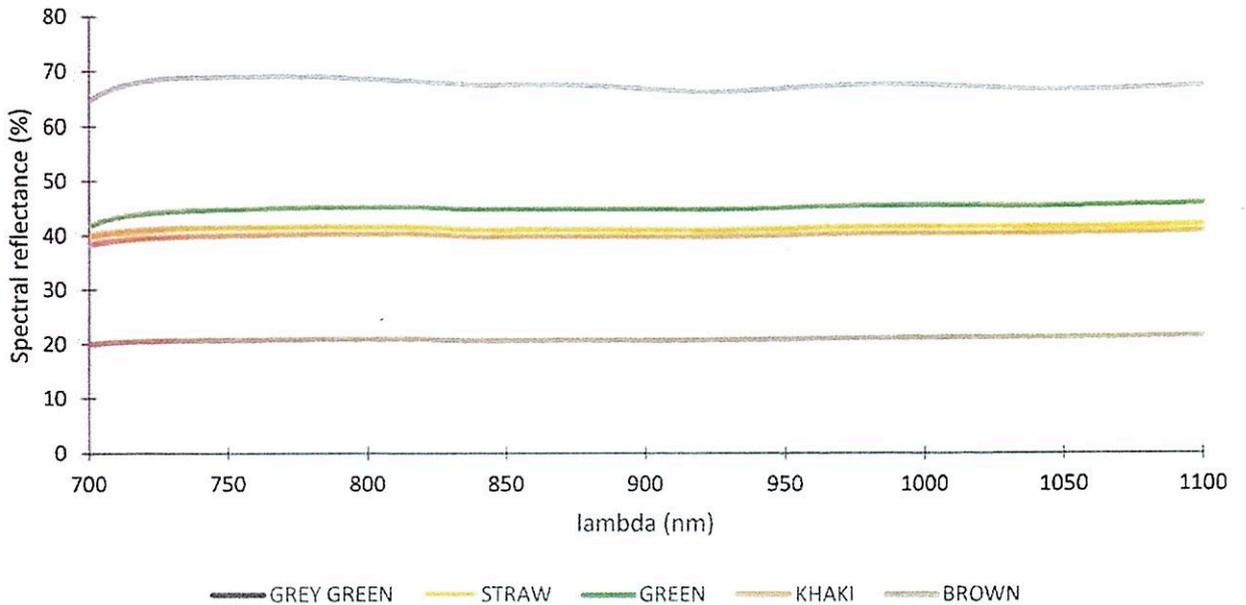
TEST RESULTS:

Material: woven fabric article NC 3					
Colour: camouflage pattern - Ground color GREY GREEN; GREEN; BROWN; STRAW; KHAKI					
No.	Characteristics	Test method	Measuring unit	Values found	
1.	Quantitative chemical analysis	ČSN EN ISO 1833-7:2018	%	Polyamide	56,8
				Cotton	43,2
2.	Mass per unit area . coefficient of variation	ČSN EN 12127:1998	g . m ⁻² %		210 0,3
3.	Permeability . coefficient of variation	ČSN EN ISO 9237	mm.s ⁻¹ %		125 6,5
4.	Tensile strength . coefficient of variation	ČSN EN ISO 13934-1:2013	N %		warp / weft 1400 / 850 3,5 / 1,3
5.	Determination of tear resistance . coefficient of variation	ČSN EN ISO 13937-2:2001	N %		across weft / across warp 140,0 / 93,8 2,0 / 8,1
6.	Dimensional change washing and drying Cycles of washing: 1x Temperature: 40 °C, drying - F	ČSN EN ISO 6330:2012 ČSN EN ISO 5077:2008	%		warp / weft -1,5 / -2,0
7.1.	Colour fastness to organic solvents*	ČSN EN ISO 105-X05:1998	grade grey scale	change in colour/ staining of the adjacent fabr 4-5 / 4-5 / 4-5	
7.2.	Colour fastness to rubbing* . dry	ČSN EN ISO 105-X12:2016	grade grey scale	staining of the adjacent fabric - warp/weft 4-5 / 4-5	
7.3.	Colour fastness to rubbing* . wet	ČSN EN ISO 105-X12:2016	grade grey scale	4-5 / 4-5	
7.4.	Colour fastness to washing* . test A1S (40 °C)	ČSN EN ISO 105-C06:2010	grade grey scale	change in colour/ staining of the adjacent fabr 4-5 / 4-5 / 4-5	
7.5.	Colour fastness to perspiration* . alkaline solution . acid solution	ČSN EN ISO 105-E04:2013	grade grey scale	change in colour/ staining of the adjacent fabr 4-5 / 4-5 / 4-5 4-5 / 4-5 / 4-5	
7.6.	Colour fastness to light*	ČSN EN ISO 105-B02:2015	grade blue scale	change in colour 5	
8.	Abrasion resistance	ČSN EN ISO 12947-2:2001	number of cycles	350 000	

*These values of colourfastness are the lowest values found in the article

Material: woven fabric article NC 3 Colour: camouflage pattern - Ground color GREY GREEN; GREEN; BROWN; STRAW; KHAKI				
No.	Characteristics	Test method	Measuring unit	Values found
9.	Density . coefficient of variation	ČSN EN 1049-2:1995	number of threads per 10 cm	warp / weft 370 / 200 0,4 / 0,7
10.	Oil repellency	ČSN EN ISO 14419:2019	rating number	6 (n-decane)
11.	Resistance to surface wetting (spray test)	ČSN EN ISO 4920:2013	average degree of wetting	5 (100)
12.	Weave	ČSN 80 0020:1965	-	Plain (ripstop)
13.	IR Reflectance 700 – 1100 nm	ČSN EN ISO 105.J01	nm	grey green 65 - 69 straw 40 - 42 green 42 - 46 khaki 38 - 41 brown 20 - 22

Spectral reflectance - 3 layers



Approved:

Petr Nasadil
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