

TEST REPORT

2022AN7461

DATE OF RECEPTION

Date Format: dd/MM/yyyy 23/12/2022

DATE TESTS

Starting: 27/12/2022

Ending: 13/01/2023

APPLICANT

GABRIEL A/S
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DK-9000 Ålborg
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Att. BENTE ELLINGSOE

IDENTIFICATION AND DESCRIPTION OF SAMPLES

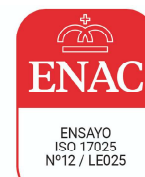
Reference by AITEX	Reference by customer	AITEX sample description
2022AN7461-S01	Cubic col.61078	Fabric

TESTS CARRIED OUT

- COLOUR FASTNESS TO ARTIFICIAL LIGHT.
- COLOUR FASTNESS TO RUBBING.
- DETERMINATION OF DIMENSIONAL CHANGE IN DRY CLEANING.
- PRE-TREATMENT OF DRY CLEANING.

Tests marked with * are not included within the scope of the ENAC accreditation.

Rev.1 This revision cancels and replaces the previous
Reference error





RESULTS

COLOUR FASTNESS TO ARTIFICIAL LIGHT

Standard

EN ISO 105-B02:2014. Method 2

Apparatus

Xenotest 440 02423E06

Starting test date

30/12/2022

Ending test date

13/01/2023

Exposure conditions

Normal

Evaluation conditions

Light camera Gretagmacbeth (02021N06)

Reference	Light fastness
2022AN7461-S01	6-7

Remark

The fastness grade indicated comes up to:

- Depth change: More clear
- Hue change: No notes
- Brightness change: No notes

**MEANING OF COLOUR VALUES FASTNESS TO ARTIFICIAL LIGHT**

VALUE	MEANING
8	EXCELLENT
7	VERY GOOD
6	GOOD
5	MODERATE
4	FAIR
3	POOR BEHAVIOUR
2	POOR BEHAVIOUR
1	VERY POOR



RESULTS

COLOUR FASTNESS TO RUBBING

Standard

ISO 105-X12:2016

Apparatus

Crockmeter

Starting test date

27/12/2022

Ending test date

12/01/2023

Conditioning time

> 4 H

Atmosphere for conditioning and testing

Temperature	(20±2) °C
Relative Humidity	(65±2) %Hr

Pin

Cylindrical

Applied force

(9 ± 0,2) N

% of water absorption for rubbing in humid

95-100 %

REFERENCE	DIRECTION	DRY STAINING	WET STAINING
2022AN7461-S01	Lengthwise	5	5
	Crosswise	5	5



RESULTS

DETERMINATION OF DIMENSIONAL CHANGE IN DRY CLEANING

Standard

EN ISO 3175-2:2017

Standard deviation

Temperature

25-30 °C

Drying temperature

60-65 °C

Solvent

Perchloroethylene

Washing procedure

Normal

Uncertainty of test (% of the measured value)

± 0.4 %

Reference	Specimen	Direction	Dimensional change (%)
2022AN7461-S01	1	Lengthwise	-1,0
		Crosswise	-1,0

Remark

Negative dimensional change indicates shrinkage

Positive dimensional change indicates lengthening



RESULTS

PRE-TREATMENT OF DRY CLEANING

Standard

EN ISO 3175-2:2018

Equipment

Drying machine 13104N12

Scale 13003E03

Scale sartorius 04075IE03

Washing procedure

Normal

Reference

2022AN7461-S01

Test date

Start date

10/01/2023

End date

10/01/2023

Washing cycles
1

**MEANING OF COLOUR FASTNESS APPRAISAL EVALUATED WITH GREY SCALE**

VALUE	MEANING
5	VERY GOOD - EXCELLENT
4	GOOD
3	FAIR - MODERATE
2	POOR - BEHAVIOUR
1	VERY POOR



Isabel Soriano
Chief of Innovation Area



Date: 09/05/2023 13:39:13

Digitally Signed by: MARIA ISABEL SORIANO SARRIO -

NIF:52716426N

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