

TEST REPORT

2022AN7275

DATE OF RECEPTION

Date Format: dd/MM/yyyy 22/11/2022

DATE TESTS

Starting: 24/11/2022

Ending: 05/12/2022

APPLICANT

GABRIEL A/S
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Att. BENTE ELLINGSOE

IDENTIFICATION AND DESCRIPTION OF SAMPLES

Reference by AITEX	Reference by customer	AITEX sample description
2022AN7275-S01	art.Lense col.60105	Fabric

TESTS CARRIED OUT

- DETERMINATION OF DIMENSIONAL CHANGE IN DOMESTIC WASHING AND DRYING.
- PRE-TREATMENT.
- DETERMINATION OF DIMENSIONAL CHANGE IN DRY CLEANING.
- PRE-TREATMENT OF DRY CLEANING.
- DETERMINATION OF THE ELASTICITY OF FABRICS. MULTIAXIAL TEST*.

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



**DESCRIPTION OF SAMPLES****Reference by AITEX:** 2022AN7275-S01**Reference by customer:**

art.Lense col.60105

AITEX sample description:

Fabric

AITEX Subsamples	Subsample Description
2022AN7275-S01.1	Fabric
2022AN7275-S01.2	Fabric



RESULTS

PRE-TREATMENT

Reference

2022AN7275-S01.1

Standard

ISO 6330:2012

Starting test date

29/11/2022

Ending test date

30/11/2022

Standard deviation

Washing procedure

6M (T^a = 60 ± 3°C); Total dry load test samples and the counterweight 2 ± 0.1 Kg) according to ISO 6330:2012

Used apparatus

Wascator type A - Horizontal drum, front loading (02345E12)

Detergent

98 ECE reference detergent without optical brightener.

Counterweight

Type III - 100% polyester

Number of washing cycles

1

Dryer type

A3

Type drying

Procedure C - Flat dry

Dryer

02426N12

Notes



PRE-TREATMENT

Reference

2022AN7275-S01.2

Standard

ISO 6330:2012

Starting test date

01/12/2022

Ending test date

02/12/2022

Standard deviation

Washing procedure

7N ($T^a = 70 \pm 3^\circ\text{C}$; Total dry load test samples and the counterweight 2 ± 0.1 Kg) according to ISO 6330:2012

Used apparatus

Wascator type A - Horizontal drum, front loading (02172E12)

Detergent

98 ECE reference detergent without optical brightener.

Counterweight

Type III - 100% polyester

Number of washing cycles

1

Dryer type

A3

Type drying

Procedure C - Flat dry

Dryer

02426N12

Notes



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

2022AN7275-S01

Test date**Start date**

29/11/2022

End date

30/11/2022

Washing cycles

1



RESULTS

DETERMINATION OF DIMENSIONAL CHANGE IN DOMESTIC WASHING AND DRYING

Standard

EN ISO 5077:2008

Standard deviation

Preparation, marking and measuring of fabric specimens according to EN ISO 3759:2011
Starting test date 24/11/2022 **Ending test date** 05/12/2022

Number of washing cycles

1

Uncertainty of test (% of the measured value)
 $\pm 0,4 \%$
Tested material

Grey knitted fabric

Reference	Specimen	Direction	Dimensional change (%)
2022AN7275-S01	1	Warp	-0,5
		Weft	0,0
2022AN7275-S01.1	1	Lengthwise	-2,0
		Crosswise	0,0
2022AN7275-S01.2	1	Warp	-3,0
		Weft	-1,0

Remark

Negative dimensional change indicates shrinkage

Positive dimensional change indicates lengthening



RESULTS

DETERMINATION OF THE ELASTICITY OF FABRICS. MULTIAXIAL TEST*

Standard

EN 14704-2:2005 Method A

Apparatus

INSTRON Dynamometer

Conditioning date 24/11/2022 **Test date** 29/11/2022

Fabric type

Upholstery fabric

Rate of extension

100 mm/min

N° of cycles

5

Force applied earlier and after the cycles

0,2 N

Maximum force of the cycle

100 N

Number of test pieces

5

Atmosphere for conditioning testing

Temperature (20±2) °C **Relative humidity** (65±4) %

State of the specimens

Original

Reference

2022AN7275-S01

Maximum deformation 5to cycle (mm)	C.V.(%)	No recovery deformation (mm)	C.V.(%)
8,65		7,45	
8,72		7,78	
8,92	8,81	7,19	7,48
8,81		7,57	
8,97		7,40	

Remark

The edition of the standard used is canceled and replaced by EN ISO 20932-1: 2020.



Isabel Soriano
Chief of Innovation Area



Date: 13/12/2022 7:58:14

Digitally Signed by: MARIA ISABEL SORIANO SARRIO -

NIF:52716426N

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