

TEST REPORT

2023AN2387

DATE OF RECEPTION

Date Format: dd/MM/yyyy 10/10/2023

DATE TESTS

Starting: 13/10/2023

Ending: 08/11/2023

APPLICANT

GABRIEL A/S
HJULMAGERVEJ, 55
DK-9000 Ålborg
Denmark

Att. BENTE ELLINGSOE

IDENTIFICATION AND DESCRIPTION OF SAMPLES

Reference by AITEX	Reference by customer	AITEX sample description
2023AN2387-S01	Future Loop 63142 Orange	Fabric

TESTS CARRIED OUT

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

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





RESULTS

DETERMINATION OF THE ELASTICITY OF FABRICS. MULTIAXIAL TEST*

Standard

EN 14704-2:2005 Method A

Apparatus

INSTRON Dynamometer

Conditioning date 13/10/2023 **Test date** 08/11/2023

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

2023AN2387-S01

Maximum deformation 5to cycle (mm)	C.V.(%)	No recovery deformation (mm)	C.V.(%)
12,03		3,99	
12,10		4,21	
11,94	12,12	4,17	4,16
12,68	2,70	4,58	6,77
11,85		3,83	

Remark

The edition of the standard used is canceled and replaced by EN ISO 20932-1: 2020.
The test was carried out at laboratory located at Carretera Banyeres s/n - 03802 Alcoi, Alicante



RESULTS

PRE-TREATMENT

Reference

2023AN2387-S01

Standard

EN ISO 6330:2021

Starting test date

19/10/2023

Ending test date

19/10/2023

Standard deviation

Washing procedure

6M ($T^a = 60 \pm 3^{\circ}\text{C}$); Total dry load test samples and the counterweight 2 ± 0.1 Kg) according to EN ISO 6330:2021

Used apparatus

Wascator type A - Horizontal drum, front loading (02199E12)

Detergent

98 ECE reference detergent without optical brightener.

Counterweight

Type III - 100% polyester

Number of washing cycles

1

Type drying**Procedure C - Flat dry**

The test was carried out at laboratory located at Carretera Banyeres s/n - 03802 Alcoi, Alicante



RESULTS

PRE-TREATMENT

Reference

2023AN2387-S01

Standard

EN ISO 6330:2021

Starting test date

19/10/2023

Ending test date

19/10/2023

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 EN ISO 6330:2021

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

Type drying**Procedure C - Flat dry**

The test was carried out at laboratory located at Carretera Banyeres s/n - 03802 Alcoi, Alicante



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** 13/10/2023 **Ending test date** 23/10/2023**Number of washing cycles**

1

Uncertainty of test (% of the measured value)

± 0,4 %

Tested material

Black/brown woven fabric

Reference	Specimen	Direction	Dimensional change (%)
2023AN2387-S01	1	Warp	-1,0
		Weft	-2,0

Remark

Negative dimensional change indicates shrinkage

Positive dimensional change indicates lengthening

The test was carried out at laboratory located at Carretera Banyeres s/n - 03802 Alcoi, Alicante



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** 13/10/2023 **Ending test date** 23/10/2023**Number of washing cycles**

1

Uncertainty of test (% of the measured value)

± 0,4 %

Tested material

Black/brown woven fabric

Reference	Specimen	Direction	Dimensional change (%)
2023AN2387-S01	1	Warp	-1,0
		Weft	-3,0

Remark

Negative dimensional change indicates shrinkage

Positive dimensional change indicates lengthening

The test was carried out at laboratory located at Carretera Banyeres s/n - 03802 Alcoi, Alicante



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

2023AN2387-S01

Test date

Start date

26/10/2023

End date

27/10/2023

Washing cycles

The test was carried out at laboratory located at Carretera Banyeres s/n - 03802 Alcoi, Alicante



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 (%)
2023AN2387-S01	1	Warp	0,0
		Weft	0,0

Remark

Negative dimensional change indicates shrinkage

Positive dimensional change indicates lengthening

The test was carried out at laboratory located at Carretera Banyeres s/n - 03802 Alcoi, Alicante



Date: 09/11/2023 13:25:02

Digitally Signed by: MARIA ISABEL SORIANO SARRIO -

NIF: 52716426N

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