

2023EP3657

TEST REPORT

DATE OF RECEPTION

Date Format: dd/MM/yyyy 29/09/2023

DATE OF TESTS

Starting: 03/10/2023

Ending: 16/10/2023

APPLICANT

XM TEXTILES POLSKA SP. Z O. O.

16 WOLNOŚCIOWA

PL-95-200 Pabianice

Poland

Att Irina Danilova

REFERENCE OF SAMPLES

Reference by AITEX	Reference by customer	AITEX sample description
2023EP3657-S01	UNITEC-240	Woven fabric

TESTS CARRIED OUT

- PRE-TREATMENT FOR DOMESTIC WASHING AND DRYING PROCEDURES FOR TEXTILE TESTING
- DETERMINATION OF DIMENSIONAL CHANGE IN WASHING AND DRYING

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





DESCRIPTION OF SAMPLES



Reference by AITEX: 2023EP3657-S01

Reference by customer:

UNITEC-240

AITEX sample description:

Dark grey woven fabric.

Information supplied by the customer

Fabric ref. UNITEC-240

Weight 240 gsm

Color Dark grey

Others (if any) 516

Composition provided by the customer:

65% Polyester/35% Cotton, Twill 2/1

AITEX Subsamples	Subsample Description
2023EP3657-S01_P1	Woven fabric - AFTER WASH 5 cycles



EXECUTIVE SUMMARY

EN ISO 20471:2013+EN ISO 20471:2013+AMD1: 2016	Reference	Test/Standard	Result
	2023EP3657-S01_P1	DETERMINATION OF DIMENSIONAL CHANGE IN WASHING AND DRYING EN ISO 5077:2008	PASS



REQUIREMENT SUMMARY

DETERMINATION OF DIMENSIONAL CHANGE IN WASHING AND DRYING

REQUIREMENT ACCORDING EN ISO 20471:2013+EN ISO 20471:2013+AMD1:2016

The dimensional change shall not exceed $\pm 3\%$, both in width warp and in length weft.

The dimensional change of knitted fabrics shall not exceed $\pm 5\%$, both in width Crosswise and in length Lengthwise.



RESULTS

PRE-TREATMENT FOR DOMESTIC WASHING AND DRYING PROCEDURES FOR TEXTILE TESTING

Standard

EN ISO 6330:2021

Test date

Start date 13/10/2023 **End date** 16/10/2023

Washing procedure

6N

Washing temperature

60°C

Washing cycles

5

Drying procedure

F (type A1 tumble drying)

Washing powder

Reference detergent 3

Reference

2023EP3657-S01

Units	Dry mass of the samples(Kg)	Counterweight mass Kg Kg	Counterweight type	Equipment
1	0.06	1.9	Type III / Type III	WASCATOR

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

Reference	Description
2023EP3657-S01	Dark grey woven fabric.



RESULTS

DETERMINATION OF DIMENSIONAL CHANGE IN WASHING AND DRYING

Standard

EN ISO 5077:2008

Preparation, marking and measuring of fabric specimens according to EN ISO 3759:2011

Start date 03/10/2023 **End date** 16/10/2023

Washing cycles

5

Uncertainty

± 0.4 %

Reference

2023EP3657-S01_P1

Specimen	Direction	Dimensional change (%)
1	WARP	-3.0
	WEFT	-2.0

Note

Positive dimensional change indicates lengthening. Negative dimensional change indicates shrinkage

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

Reference	Description
2023EP3657-S01_P1	Woven fabric - AFTER WASH 5 cycles



Lucia Martinez
Head of PPE and Ballistics department



Date: 17/10/2023 10:23:59

Digitally Signed by: ISABEL LLOPIS LUMBRERAS -

NIF: 21678551Q

Liability clauses

- 1- AITEX is liable only for the results of the methods of analysis used, as expressed in the report and referring exclusively to the materials or samples indicated in the same which are in its possession, the professional and legal liability of the Centre being limited to these. Unless otherwise stated, the samples were freely chosen and sent by the applicant.
- 2- AITEX shall not be liable in any case of misuse of the test materials nor for undue interpretation or use of this document. AITEX laboratories do not carry out sampling.
- 3- The Offer and / or Order to which the applicant gives approval through signature and seal, constitutes the Legally Executable Agreement in which AITEX is responsible for safeguarding and guaranteeing the absolute confidentiality of the management of all the information obtained or created during the performance of the contracted activities.
- 4- In the eventuality of discrepancies between reports, a check to settle the same will be carried out in the head offices of AITEX. Also, the applicants undertake to notify AITEX of any complaint received by them as a result of the report, exempting this Centre from all liability if such is not done, the periods of conservation of the samples being taken into account.
- 5- AITEX will provide at the request of the person concerned, the treatment of complaints procedure. In the event that you want to make it, direct it to: calidad@aitex.es.
- 6- AITEX is not responsible for the information provided by customers, which is reflected in the Report, and may affect the validity of the results.
- 7- AITEX may include in its reports, analyses, results, etc., any other evaluation which it considers necessary, even when it has not been specifically requested.
- 8- The uncertainties of the tests, which are made explicit in the Results Report, have been estimated for a $k = 2$ (probability of coverage of 95%). If not informed, they are available to the client in AITEX.
- 9- The results of the tests and the statement of compliance with the specification in this report refer only to the test sample as it has been analyzed / tested and not the sample / item which has taken the test sample.
- 10- The original materials and rests of samples, not subject to test, will be retained in AITEX during the twelve months following the issuance of the report, so that any check or claim which, in his case, wanted to make the applicant, should be exercised within the period indicated.
- 11- This report may only be sent or delivered by hand to the applicant or to a person duly authorised by the same.
- 12- The client must attend at all times, to the dates of the realization of the tests.
- 13- According to Resolution EA (33) 31, the test reports must include the unique identification of the sample, and any brand or label of the manufacturer may be added. It is not allowed to re-issue test reports of untested sample names (references), they can only be re-issued for error correction or inclusion of omitted data that were already available at the time of the test. The laboratory can not assume responsibility for declaring that the product with the new trade name / trademark is strictly identical to the one originally tested; This responsibility belongs to the client.
- 14- AITEX is not responsible for an inadequate state of the sample received that could compromise the validity of the results, expressing such circumstance, in the test reports.
- 15- When a Declaration of Conformity is requested, if not indicated otherwise, the decision rule according to ILAC-G8: 2009 will be applied with a security zone of 1U and a Probability of False Acceptance <2.5%.
- 16- This report may not be partially reproduced without the written approval of the issuing laboratory.
- 17- The tests have been carried out at the Alcoy plant with the address described on the first page of the report, unless another location is indicated in the results sheet of the specific test.