

TEST REPORT

2019CN0419

DATE OF RECEPTION

20/06/2019

DATE TESTS

Starting: 26/06/2019

Ending: 04/07/2019

APPLICANT

ZHEJIANG JIANYUN NEW MATERIALS CO, LTD
NO.6 TANGMIN ROAD, TANQIAO INDUSTRIAL
ZONE
CN-314416 HAINING
ZHEJIANG

IDENTIFICATION AND DESCRIPTION OF SAMPLES

REFERENCES

FABRIC GAYON2019003

According to information supplied by the customer:

Fabric reference: Gayon2019003

Composition & percentage: 93% Meta-aramid, 5% Para-aramid and 2% Antistatic.

Weight: 6.0 OZ

Color: Dark Navy Blue

TESTS CARRIED OUT

- PRE-TREATMENT FOR DOMESTIC WASHING AND DRYING PROCEDURES FOR TEXTILE TESTING.
- FLAME RESISTANCE OF TEXTILES (VERTICAL TEST).

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



RESULTS

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

Standard

AATCC 135:2018

Standard deviation

Reference

Sample 1 FABRIC GAYON2019003

Washing machine

13373112

Washing cycles

25

Washing procedure

IV

Dryer machine

Whirlpool 13098112

Drying procedure

Aiii

Washing powder

AATCC 1993 WOB

Start and finish date

27/06/2019 - 02/07/2019

///



RESULTS

FLAME RESISTANCE OF TEXTILES (VERTICAL TEST)

Standard

ASTM D6413 / D6413M – 15

Apparatus

Test cabinet for vertical flammability

Original and after pre-treatment test date

28/06/2019 - 04/07/2019

Conditioned

24h in indoor ambient conditions at (21 ± 1) °C and (65 ± 5) % RH

Original and after pre-treatment ambient conditions test

21,3°C and 54,5% RH - 21,2°C and 54,0% RH

Face exposed to the flame

Edge: Outer

Tested material

Navy blue woven fabric.

Sample size

76 mm x 300 mm

Flame contact time

12 s

Test uncertainty

$\pm 0,69$ mm

$\pm 0,31$ s

Deviation from the standard

Reference

FABRIC GAYON2019003

—————>>>



RESULTS

Pre-Treatment

As received

Orientation of the specimen

Warp

Specimen	After flame time (s)	Afterglow time (s)	Melting and Dripping	Char Length
1	0	0,8	No	54,0
2	0	0,8	No	63,0
3	0	0,8	No	51,0
4	0	0,8	No	54,0
5	0	0,8	No	57,0
Average	0	0,8	No	57,0

Orientation of the specimen

Weft

Specimen	After flame time (s)	Afterglow time (s)	Melting and Dripping	Char Length
1	0	0,8	No	36,0
2	0	0,8	No	51,0
3	0	0,6	No	54,0
4	0	0,8	No	42,0
5	0	0,8	No	54,0
Average	0	0,8	No	48,0

—————>>>



RESULTS

Pre-Treatment 25 washing cycles, according to AATCC TM135:2018, washed procedure 3 IV, and tumble drying Aiii.

Orientation of the specimen

Warp

Specimen	After flame time (s)	Afterglow time (s)	Melting and Dripping	Char Length
1	0	0,8	No	63,0
2	0	0,8	No	60,0
3	0	2,6	No	66,0
4	0	1,0	No	69,0
5	0	0,8	No	66,0
Average	0	1,2	No	66,0

Orientation of the specimen

Weft

Specimen	After flame time (s)	Afterglow time (s)	Melting and Dripping	Char Length
1	0,0	0,8	No	66,0
2	0	0,8	No	63,0
3	0	0,8	No	66,0
4	0	0,8	No	54,0
5	0	0,8	No	63,0
Average	0	0,8	No	63,0

NOTE

⁽¹⁾Each individual after-flame time value is rounded to the nearest 0,2 s, as well as the average calculated of these values.

⁽²⁾Each individual char length value is rounded to the nearest 3 mm, as well as the average calculated of these values

PERFORMANCE LEVEL ACCORDING TO ASTM F 1506:2018 PASS

Requirements to be met according to ASTM F 1506:2018, point 7.6.

- | |
|--|
| a) No melting and dripping of the test material is permitted. |
| b) The mean value of after flame time shall be ≤ 2 s. |
| c) The average of the char length values shall be ≤ 152 mm. |

///



Lucia Martinez
Head of PPE and Ballistics department

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
- 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 is not responsible for the information provided by customers, which is reflected in the Report, and may affect the validity of the results.
- 6.- AITEX will provide at the request of the person concerned, the treatment of complaints procedure.
- 7.- 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.
- 8.- AITEX may include in its reports, analyses, results, etc., any other evaluation which it considers necessary, even when it has not been specifically requested.
- 9.- When a Declaration of Conformity is requested, if not indicated otherwise, the decision rule will be applied according to ILAC-G8 & ISO 10576-1, in case of ambiguity, or indeterminacy
- 10.- The uncertainties of tests, which are made explicit in the Results Report, have been estimated for a $k = 2$ (95% probability of coverage). If not informed, they are available to the client in AITEX.
11. - 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.
- 12.- This report may only be sent or delivered by hand to the applicant or to a person duly authorised by the same.
- 13.- 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.
- 14.- The client must attend at all times, to the dates of the realization of the tests.
- 15.- 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.