



TESTING • CERTIFICATION • AUDITING

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Email: info@bttg.co.uk
Website: www.bttg.co.uk

Date: 10 March 2020

Our Ref: 23/57322-4
Your Ref: 114447

Page: 1 of 4

Client: Gabriel A/S
Hjulgagervej 55
DK-9000 Aalborg
DENMARK

Job Title: Cigarette And Match Test

Client's Order No: 114447

Date of Receipt: 17 February 2020
Date of Test Start: 26 February 2020

Description of Sample(s): One sample of fabric identified as follows was received for testing:

Gaja C2C Light Grey

Work Requested: We were asked to make the following test:

Testing to Schedule 4, Part 1, "The Cigarette Test" and Schedule 5, Part 1, "The Match Test" of The Furniture and Furnishings (Fire) (Safety) Regulations 1988 S.I. No. 1324 (as amended by SI 1989 No. 2358, SI 1993 No. 207 & SI 2010 No. 2205), using BS 5852:Part 1:1979



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Sample was identified as follows:

Gaja C2C Light Grey

Testing to Schedule 4, Part 1, "The Cigarette Test" and Schedule 5, Part 1, "The Match Test" of The Furniture and Furnishings (Fire) (Safety) Regulations 1988 S.I. No. 1324 (as amended by SI 1989 No. 2358, SI 1993 No. 207 & SI 2010 No. 2205), using BS 5852:Part 1:1979

Pre-Treatment

The material received no pre-treatment as the fabric is stated not to be FR treated

Conditioning

All materials used were conditioned in the environment specified in Clause 7 of BS 5852: Part 1: 1979 "Methods of test for the ignitability by smokers materials of upholstered composites for seating."

Testing

The material was tested according to BS 5852: Part 1: 1979 "Methods of test for the ignitability by smokers materials of upholstered composites for seating."

The results of BS 5852: Part 1: 1979 relate only to the ignitability of the combination of materials under the particular conditions of test, they are not intended as a means of assessing the full potential fire hazard of the materials in use.

Cigarette Test – Source 0

The sample was tested over non-fire retardant polyurethane foam with a density of approximately 20-22 kg/m³. A cigarette having a mass of 1±0.2g was used.

Butane Flame Test – Source 1

The sample was tested over non-fire retardant polyurethane foam with a density of approximately 20-22 kg/m³.

The results for all tests are given in the table(s) on the following page(s).

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RESULTS

Sample Ref: Gaja C2C Light Grey

Cigarette Test – Source 0

| Specimen No. | 1 | 2 |
|---|-----|-----|
| Time of Ignition (min) | --- | --- |
| Time of Flame Extinction (min) | DNP | 27 |
| Time to cover split (min) | DNS | DNS |
| Melting | No | No |
| Dripping | No | No |
| Charring | Yes | Yes |
| Progressive smouldering on final inspection | No | No |

Requirements:

No flaming or progressive smouldering within a period of 1 hour from placement of the cigarette.

Result of the Cigarette Test: PASS

Butane Flame Test – Source 1

| Specimen No. | 1 | 2 |
|---|-----|-----|
| Time of Ignition (secs.) | 5 | 6 |
| Time of Flame Extinction (secs.) | 1 | 1 |
| Time to cover split (secs.) | DNS | DNS |
| Melting | No | No |
| Dripping | No | No |
| Charring | Yes | Yes |
| Progressive smouldering on final inspection | No | No |

Requirements:

Duration of flaming from removal of source not greater than 120 seconds. Duration of smouldering from removal of source not greater than 15 mins.

Result of the Butane Flame Test: PASS

Abbreviations

DNP – Did not propagate
ME – Manually extinguished
DNS – Material did not split
BTE – Burnt to extremities

EC – Escalating combustion
ES – Escalating smouldering
DNO – Did not observe time of event



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Conclusion

The sample meets the flammability requirements of Schedule 4, Part 1, "The Cigarette Test" of the Furniture and Furnishings (Fire) (Safety) Regulation 1988 (as amended) S.I. No. 1324.

The sample meets the flammability requirements of Schedule 5, Part 1, "The Match Test" of the Furniture and Furnishings (Fire) (Safety) Regulation 1988 (as amended) S.I. No. 1324.

Note: This report relates only to the samples submitted and as described in the report.

Uncertainty of measurement has not been taken into account when presenting the test result. The overall uncertainty budget for BS 5852: Part 1: 1979 is as follows:

Measurements: ± 2 mm
Timings: ± 2 seconds

Reported by:.....
B Bland
Laboratory Technician

Countersigned By:.....
P Doherty
Manager

Enquiries concerning this report should be addressed to Customer Services.



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