



Confidential Report

Our Ref: 23/63236D1/06/25





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Date: 27 June 2025

Our Ref: 23/63236D1/06/25

Your Ref: ---

Page: 1 of 4

Client:

Gabriel A/S

Hjulgagervej 55
DK-900 Aalborg
Denmark

Job Title:

Fire Test on One Fabric Sample

Clients Order Ref:

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Date of Receipt:

06 June 2025

Date Test Started:

27 June 2025

Description of Sample:

One sample of fabric, which was referenced by the client as;
Connect

Work Requested:

We were asked to make the following fire test:

BS 5852: Clause 11:2006 (2011)

- * subcontracted test, UKAS accredited
- ** subcontracted test, EN ISO/IEC 17025 accredited
- *** not UKAS accredited

Note: This report relates only to the items tested.



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Testing BS 5852: Clause 11: 2006 (2011) Assessment of the ignitability of upholstered seating by Smouldering and Flaming sources – Source 5 (Crib 5)

Pre-Treatment

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

Conditioning

The sample was conditioned in the environments specified in Clause 10 of BS 5852: 2006 (2011).

Testing

The material was tested according to BS 5852:2006 (2011) Methods of test for the ignitability of upholstered composites for seating by flaming sources using Source 5 (Crib 5).

The sample was tested at 23°C and 51% relative humidity (R.H.).

The sample was tested over combustion modified polyurethane foam with a density of approximately 34-36kg/m³.



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Page: 3 of 4

Client: **Gabriel A/S**

Results

The following test results relate only to the ignitability of the combination of upholstery composites under the particular conditions of test stated; they are not intended as a means of assessing the full potential fire hazard of the materials or products in use.

	Specimen 1	Specimen 2
Time of Ignition (mins/secs)	0.07	0.09
Time of Flame Extinction (mins/secs)	3.49	3.36
Time of Smoke Extinction (mins/secs)	6.28	7.03
Time of cover split (mins/secs)	0.19	0.19
Extent of damage (mm) - Seat		
Width	162	151
Length	126	118
Depth	71	60
Extent of damage (mm) - Back		
Width	140	116
Depth	55	46
Melting	No	No
Dripping	No	No
Charring	Yes	Yes
Comments and Observations		
Specimen Result (Ignition or Non-ignition)	Non-Ignition	Non-Ignition

Acronyms

ME – Manually extinguished
DNO – Did not observe time of events

EC – Escalating combustion
BTT – Burnt through thickness of foam

DNS – Material did not split
BTE – Burnt to extremities



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Page: 4 of 4

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Comment

The results indicate 'Non-Ignition' of the materials and the test is designated NI/5 (ie. Pass).

Where required to make a judgement to any pass/fail criteria an estimation of uncertainty of measurement has been taken into account. Under our Policy we have used a non-binary decision rule.

See our decision rules Policy (<https://www.bttg.co.uk/about-us/decision-rules-policy/>) for further information.

Uncertainty Budget

Timings: ± 2 seconds.
Measurements: ± 2 mm.
Weight: ± 2 g.

Reported by:  R Walls, Laboratory Technician

Countersigned by:  B Bland, Technical Customer Service Officer

Enquiries concerning this report should be addressed to Customer Services.



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