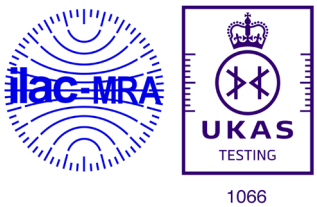
Confidential Report

Our Ref: 23/61362Q-Supp/12/24



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Date: 10 December 2024

Our Ref: 23/61362Q-supp/12/24
Your Ref: ---

Client: **Gabriel A/S**

Hjulmagerve 55
DK-900 Aalborg
Denmark

Job Title: Fire Test on One Fabric Sample

Clients Order Ref: --

Date of Receipt: 8 September 2023

Date Test Started: 15 September 2023

Description of Sample: One sample of fabric, which was referenced by the client as;

Tonal FR

This is a supplementary report to the one issued on the 13th September 2023 under our report reference 23/61362Q/09/23.

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

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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 was subjected to the water soak procedure according to BS 5852:Annex E:2006 (2011).

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 21°C and 62% relative humidity (R.H.).

The sample was tested over combustion modified polyurethane foam with a density of approximately 34-36kg/m^3.

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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)	0.17	0.14
Time of Flame Extinction (mins/secs)	5.29	5.27
Time of Smoke Extinction (mins/secs)	6.53	7.56
Time of cover split (mins/secs)	DNO	DNO
Extent of damage (mm) - Seat		
Width	134	138
Length	97	99
Depth	44	48
Extent of damage (mm) - Back		
Width	170	136
Depth	45	50
Melting	Yes	Yes
Dripping	No	No
Charring	Yes	Yes
Comments and Observations	DNO	DNO
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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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

Measurements: ± 2 mm
Timings: ± 2 seconds

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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