



Confidential Report

Our Ref: 23/61308I1/08/23





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Telephone: +44 (0) 113 259 1999
Email: onestopshop@bttg.co.uk
Website: www.bttg.co.uk

Date: 30 August 2023

Our Ref: 23/613081/08/23

Your Ref: ---

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Client:

The Sign AG

Neuseeland 32
9404 Rorschacherberg
Switzerland

Job Title:

Fire Test on One Fabric Sample

Clients Order Ref:

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Date of Receipt:

16 August 2023

Date Test Started:

24 August 2023

Description of Sample:

One sample of fabric, which was referenced by the client as;
30796 Chantel

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 21°C and 52% 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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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
Time of Ignition (mins/secs)	0.16
Time of Flame Extinction (mins/secs)	>2.52 ME/EC
Time of Smoke Extinction (mins/secs)	>2.52 ME/EC
Time of cover split (mins/secs)	0.36
Extent of damage (mm) - Seat	
Width	234
Length	149
Depth	66
Extent of damage (mm) - Back	
Width	255
Depth	>75 BTT
Melting	Yes
Dripping	Yes
Charring	Yes
Comments and Observations	ME/EC/BTT
Specimen Result (Ignition or Non-ignition)	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 'Ignition' of the materials and the test is designated I/5 (ie. Fail).

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 Greasley, Laboratory Technician

Countersigned by:..... B Bland, Technical Customer Service Officer

Enquiries concerning this report should be addressed to Customer Services.



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