



Confidential Report

Our Ref: 23/60242ASupp/10/22



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Website: www.bttg.co.uk

Date: 7 March 2023

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Client: Zimmer + Rohde GmbH

Zimmersmuhlenweg 14-18
61440 Oberursel
Germany

Job Title: Fire Test on One Fabric Sample

Clients Order Ref: --

Date of Receipt: 10 October 2022

Date Test Started: 17 October 2022

Description of Sample: One sample of fabric, which was referenced by the client as;
Art. No. 10967

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

BS 5852: Clause 11:2006 (2011)

This is a supplementary report to the one issued on the 17th October 2022 under our report reference 23/60242A/10/22.

* 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 43% relative humidity (R.H.).

The sample was tested over combustion modified polyurethane foam with a density of approximately 35-36kg/m³.

As agreed with the client this is an indicative test only, the dimensions of the fabric provided was sufficient to perform one ignition source 5 test, not two as stated within the test method BS 5852:2006 (2011).



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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 (s)	29
Time of Flame Extinction (s)	425
Time of Smoke Extinction (s)	449
Time of cover split	DNO
Extent of damage (mm) - Seat	
Width	142
Length	90
Depth	39
Extent of damage (mm) - Back	
Width	154
Depth	42
Melting	No
Dripping	No
Charring	Yes
Comments and Observations	
Specimen Result (Ignition or 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.

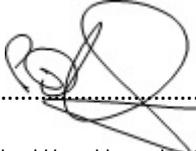
See our decision rules Policy (<http://www.bttg.co.uk/decision-rules-policy>) for further information.

Uncertainty Budget

Measurements: ± 2 mm

Timings: ± 2 seconds

Reported by:  B Bland, Technical Customer Services Officer

Countersigned by:  P Doherty, Manager

Enquiries concerning this report should be addressed to Customer Services.