



# Confidential Report

**Our Ref: 23/61627B/12/23**





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Date: 11 December 2023

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**Client:** Zimmer + Rohde GmbH

Zimmersmuhlenweg 14-18  
61440 Oberursel  
Frankfurt  
Germany

**Job Title:** Fire Test on One Fabric Sample

**Clients Order Ref:** --

**Date of Receipt:** 05 December 2023

**Date Test Started:** 11 December 2023

**Description of Sample:** One sample of fabric, which was referenced by the client as;  
10977, 31% CO, 14% CV, 9% PAN, 7% AF, 5% WV

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

Schedule 4, Part 1, "The Cigarette Test" of The Furniture and Furnishings (Fire) (Safety) Regulations 1988.

- \* 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 to Schedule 4, Part 1, “The Cigarette Test” of The Furniture and Furnishings (Fire) (Safety) Regulations 1988 No. 132 SI 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 to not have an FR treatment.

## 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.



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## Results of Cigarette Test – Source 0

The sample was tested over non-fire retardant polyurethane foam with a density of approximately 20-22kg/m<sup>3</sup>.

Specimen No.	1	2
Time of Ignition (min)	--	--
Extinction Time (Smouldering) (min)	25	24
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**

### Acronyms

DNP – Did not propagate  
DNS – Material did not split

EC – Escalating combustion  
BTE – Burnt to extremities

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

ES – Escalating smouldering

### Comment

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.

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.



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### Uncertainty Budget

Timings:  $\pm 2$  seconds.  
Measurements:  $\pm 2$ mm.

Reported by:..... R Greasley, Laboratory Technician

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

Enquiries concerning this report should be addressed to Customer Services.

