



# Confidential Report

**Our Ref: 23/61580B/11/23**





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Date: 27 November 2023

Our Ref: 23/61580B/11/23  
Your Ref: 0001017544

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**Client:** Vita Cellular Foams (UK) Limited

Oldham Road  
Middleton  
Manchester  
M24 2DB

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

**Clients Order Ref:** 0001017544

**Date of Receipt:** 21 November 2023

**Date Test Started:** 27 November 2023

**Description of Sample:** One sample of foam, which was referenced by the client as;  
5CM ref-171023

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

Schedule 1 Part 1 of the Furniture and Furnishings (Fire) (Safety) Regulations 1988,  
Ignitability test for foam.

- \* 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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**Schedule 1 Part 1 of the Furniture and Furnishings (Fire) (Safety) Regulations 1988 S.I. No. 1324 (as amended by SI 1989 No. 2358, SI 1993 No. 207 & SI 2010 No. 2205), Ignitability test for foam.**

**Conditioning**

All materials used were conditioned in the environments specified in Clause 5 of BS 5852: 1990 Methods of test for the ignitability of upholstered composites for seating by flaming sources.

**Testing**

The material was tested according to BS 5852: Part 2: 1982. Methods of test for the ignitability of upholstered composites for seating by flaming sources against Ignition Source 5 under a cover fabric corresponding to the standard FR polyester woven fabric specified in the above regulations.

It should be noted that the results of BS 5852: Part 2: 1982 relate only to the ignitability of the combination of materials under test; they are not intended as a means of assessing the full potential fire hazard of the materials in use.

**Results**

Specimen No.	1	2
Initial mass of assembly (g)	7054	7176
Final Mass of assembly (g)	7026	7143
Mass loss (g)	28	33
Flaming Duration (mins/secs)	4.03	3.26
Smouldering Duration (mins/secs)	8.22	7.09

Criteria: mass loss is less than 60g.  
 flaming duration is less than 10 mins  
 smouldering duration is less than 60 mins



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## Conclusion

The foam meets the requirements of Schedule 1 Part 1 of the Furniture and Furnishings (Fire) (Safety) Regulations 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.

## Uncertainty Budget

Timings:  $\pm 2$  seconds.  
Weights:  $\pm 2g$ .

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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