



Confidential Report

Our Ref: 23/62900F/02/25





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Date: 27 March 2025

Our Ref: 23/62900F/02/25
Your Ref: 1018408

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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:

1018408

Date of Receipt:

26 February 2025

Date Test Started:

26 March 2025

Description of Sample:

One sample of foam, which was referenced by the client as;

5CM

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)	7368	7309
Final Mass of assembly (g)	7344	7282
Mass loss (g)	24	27
Flaming Duration (mins/secs)	2.37	4.15
Smouldering Duration (mins/secs)	4.30	6.41

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.

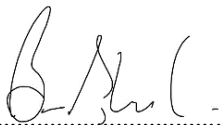
Where required to make a judgement to any pass/fail criteria an estimation of uncertainty of measurement has been taken into account. Under our Policy we have used a non-binary decision rule.

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

Uncertainty Budget

Timings: ± 2 seconds.
Measurements: ± 2 mm.
Weight: ± 2 g.

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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