



Confidential Report

Our Ref: 23/64062D/08/25





Wira House, West Park Ring Road, Leeds, LS16 6QL, UK.
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Date: 22 August 2025

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Client:

Vita Cellular Foams UK Ltd

Oldham Road
Middleton
Manchester
M24 2DB

Job Title:

Fire Test on One Foam Sample

Clients Order Ref:

0001018712

Date of Receipt:

12 August 2025

Date Test Started:

22 August 2025

Description of Sample:

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

FR50 80

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)	6776	6769
Final Mass of assembly (g)	6748	6742
Mass loss (g)	28	27
Flaming Duration (mins/secs)	3.48	3.50
Smouldering Duration (mins/secs)	8.40	8.02

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

Countersigned by:..... P Doherty, Manager

Enquiries concerning this report should be addressed to Customer Services.



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