



Confidential Report

Our Ref: 23/61504C/10/23





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Date: 2 November 2023

Our Ref: 23/61504C/10/23
Your Ref: 0001017484

Page: 1 of 3

Client: Vita Cellular Foams (UK) Limited

Oldham Road
Middleton
Manchester
M24 2DB

Job Title: Fire Test on One Foam Sample

Clients Order Ref: 0001017484

Date of Receipt: 23 October 2023

Date Test Started: 1 November 2023

Description of Sample: One sample of foam, which was referenced by the client as;
FE33 175 ref-031023

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)	6037	6065
Final Mass of assembly (g)	6009	6032
Mass loss (g)	28	33
Flaming Duration (mins/secs)	2.57	3.44
Smouldering Duration (mins/secs)	7.42	7.46

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.
Weights: ± 2 g.

Reported by:  R Walls, Laboratory Technician

Countersigned by:  P Doherty, Manager

Enquiries concerning this report should be addressed to Customer Services.



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