



Confidential Report

Our Ref: 23/61843i/02/24





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Email: onestopshop@bttg.co.uk
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Date: 05 March 2024

Our Ref: 23/61843i/02/24
Your Ref: 1017691

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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: 1017691

Date of Receipt: 23 February 2024

Date Test Started: 05 March 2024

Description of Sample: One sample of foam, which was referenced by the client as;
RF30 105, ref-190224

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) | 5855 | 5850 |
| Final Mass of assembly (g) | 5826 | 5820 |
| Mass loss (g) | 29 | 30 |
| Flaming Duration (mins/secs) | 3.14 | 3.06 |
| Smouldering Duration (mins/secs) | 6.42 | 7.54 |

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: $\pm 2g$.

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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