

# **Confidential Report**

Our Ref: 23/61397B/09/23







Telephone: +44 (0) 113 259 1999 Email: onestopshop@bttg.co.uk

Website: www.bttg.co.uk

Date: 26 September 2023

Our Ref: 23/61397B/09/23

Your Ref: ---

Page: 1 of 4

Client: AB Ludvig Svensson

Bangatan 8 511 82 Kinna Sweden

Job Title: Fire Test on One Fabric Sample

Clients Order Ref: ---

Date of Receipt: 21 September 2023

Date Test Started: 26 September 2023

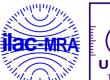
Description of Sample: One sample of fabric, which was referenced by the client as;

Step, stated to be 75% wool, 25% viscose.

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

BS EN 1021:Part 2:2014 – Ignitability of Upholstered Furniture

- subcontracted test, UKAS accredited
- \* subcontracted test, EN ISO/IEC 17025 accredited
- \*\*\* not UKAS accredited





Note: This report relates only to the items tested.



Telephone: +44 (0) 113 259 1999 Email: onestopshop@bttg.co.uk

Website: www.bttg.co.uk

Date: 26 September 2023

Our Ref: 23/61397B/09/23 Your Ref:

> Page: 2 of 4

Client: **AB Ludvig Svensson** 

### FIRE TESTS ACCORDING TO BS EN 1021-2:2014

Assessment of the ignitability of upholstered furniture. Part 2. Ignition Source 1: Match flame equivalent.

#### **Pre-Treatment**

The material received no pre-treatment as the fabric is stated not to be FR treated.

## Conditioning

The materials for testing to Source 0 and 1 were conditioned for a minimum of 24 hours and tested in the environments specified in Clause 7 of BS EN 1021-1 & 2:2014.

The sample was tested in a room of volume 25m<sup>3</sup> and 21°C.

### **Procedure**

The test was carried out in accordance with BS EN 1021-2:2014. The sponsor sampled the material and the specimens were cut from the sample received to the dimensions set out in the standard.

The sample was tested over non-fire retardant polyurethane foam with a density of approximately 20-22 kg/m<sup>3</sup>.

Tests were made using ignition source 1.

## Requirements

The specimens shall not:-

## **Smouldering Criteria**

- display escalating combustion requiring active extinction. a)
- b) smoulders until it is essentially consumed within the test duration.
- smoulder to the extremities of the specimen, or through the full thickness, within the duration of the test. c)
- d) smoulder for more than one hour.
- show evidence of charring, other than discolouration, for more than 100mm in any direction apart from the e) nearest part of the original position of the source.







Telephone: +44 (0) 113 259 1999 Email: onestopshop@bttg.co.uk

Website: www.bttg.co.uk

26 September 2023 Date:

Our Ref: 23/61397B/09/23 Your Ref:

> Page: 3 of 4

Client: **AB Ludvig Svensson** 

## **Requirements (Continued)**

### Flaming Criteria

- a) display escalating combustion requiring active extinction.
- b) burns until it is essentially consumed within the test duration.
- burns to the extremities of the specimen, or through the full thickness, within the duration of the test. c)
- d) exhibit any flaming for more than 120 seconds after removal of the burner tube.

#### Results

|   | Specimen No. |    |                |
|---|--------------|----|----------------|
| Smouldering criteria                    | 1            | 2  | 3 <sup>1</sup> |
| Unsafe escalating combustion            | No           | No |                |
| Testing assembly consumed               | No           | No |                |
| Smoulders to extremities/full thickness | No           | No |                |
| Smoulders more than 1 hour              | No           | No |                |
| In final examination, presence of       | No           | No |                |
| progressive smouldering                 |              |    |                |

| Flaming criteria                                 | 1  | 2  | 3 <sup>1</sup> |
|--|----|----|----------------|
| Unsafe escalating combustion                     | No | No |                |
| Testing assembly consumed                        | No | No |                |
| Flames to extremities/full thickness             | No | No |                |
| Flames longer than 120 seconds                   | No | No |                |
|  |    |    |                |
| Specimen Result Ignition (I) / Non Ignition (NI) | NI | NI | NI             |

#### Note

The test results relate only to the ignitability of the combination of materials under the particular conditions of test; they are not intended as a means of assessing the full potential fire hazard of the materials in use.







Telephone: +44 (0) 113 259 1999 Email: onestopshop@bttg.co.uk

Website: www.bttg.co.uk

26 September 2023 Date:

Our Ref: 23/61397B/09/23

Your Ref:

Page: 4 of 4

Client: **AB Ludvig Svensson** 

## Comment

An NI designation indicates that the sample meets the performance requirements of BS EN 1021-2.

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**

The overall uncertainty budget for BS EN 1021: Part 2:2014 is as follows:-

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

Reported by:..... ...... R Greasley, Laboratory Technician

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

Enquiries concerning this report should be addressed to Customer Services.



