



Confidential Report

Our Ref: 23/64518A/02/26





Wira House, West Park Ring Road, Leeds, LS16 6QL, UK.
Telephone: +44 (0) 113 259 1999
Email: onestopshop@bttg.co.uk
Website: www.bttg.co.uk

Date: 03 March 2026

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Your Ref: ---

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Client:

Gabriel A/S

Hjulgagervej 55
DK-900 Aalborg
Denmark

Job Title:

Fire Test on One Fabric Sample

Clients Order Ref:

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Date of Receipt:

13 February 2026

Date Test Started:

26 February 2026

Description of Sample:

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

Move

Work Requested:

We were asked to make the following fire test:

BS EN 1021: Part 1:2014 – Ignitability of Upholstered Furniture

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

This report relates only to the items tested.

All tests were carried out in the laboratories in Leeds, unless otherwise indicated.





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FIRE TESTS ACCORDING TO BS EN 1021-1:2014

Assessment of the ignitability of upholstered furniture. Part 1. Ignition Source 1: Smouldering cigarette.

Pre-Treatment

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

Conditioning

The materials for testing to Sources 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 25m³ and 19°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/m³.

Tests were made using ignition source 1.

Requirements

The specimens shall not: -

Smouldering Criteria

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

Requirements (Continued)



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Flaming Criteria

- a) show evidence of flaming initiated by a smouldering source.

Results

	Specimen No.		
Smouldering criteria	1	2	3¹
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 progressive smouldering	No	No	---

Flaming criteria	1	2	3¹
Occurrence of flames	No	No	---
Specimen Result Ignition (I) / Non Ignition (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.



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Comment

An NI designation indicates that the sample meets the performance requirements of BS EN 1021-1:2014.

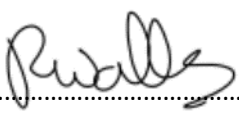
Where required to make a judgement to any pass/fail criteria an estimation of uncertainty of measurement has been taken into account. Under our Policy we have used a non-binary decision rule.

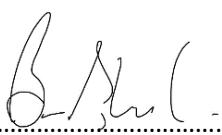
See our decision rules Policy (<https://www.bttg.co.uk/about-us/decision-rules-policy/>) for further information.

Uncertainty Budget

The overall uncertainty budget for BS EN 1021: Part 1:2014 is as follows:-

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

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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