



Confidential Report

Our Ref: 23/62490B/10/24





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: 21 October 2024

Our Ref: 23/62490B/10/24

Your Ref: ---

Page: 1 of 4

Client:
el

Gabriel A/S

Hjulgagerve 55
DK-900 Aalborg
Denmark

Job Title:

Fire Test on One Fabric Sample

Clients Order Ref:

--

Date of Receipt:

08 October 2024

Date Test Started:

21 October 2024

Description of Sample:

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

Mica FR

Work Requested:

We were asked to make the following fire test:

BS 5852: Clause 11:2006 (2011)

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



1066

Note: This report relates only to the items tested.

Shirley® Technologies Limited. Registered Office: Wira House, West Park Ring Road, Leeds, LS16 6QL.
A company registered in England & Wales with company number 04669651. VAT Number GB 816764800.

BTTG® and Shirley® are trade names of Shirley Technologies Ltd.

The supply of all goods and services is subject to our standard terms of business, copies of which are available on request.

Our laboratories are accredited to EN ISO/IEC 17025.

Copyright © 2024 Shirley Technologies Limited. All rights reserved.



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: 21 October 2024

Our Ref: 23/62490B/10/24
Your Ref: ---

Page: 2 of 4

Client: **Gabriel A/S**
el

Testing BS 5852: Clause 11: 2006 (2011) Assessment of the ignitability of upholstered seating by Smouldering and Flaming sources – Source 5 (Crib 5)

Pre-Treatment

The material was subjected to the water soak procedure according to BS 5852:Annex E:2006 (2011).

Conditioning

The sample was conditioned in the environments specified in Clause 10 of BS 5852: 2006 (2011).

Testing

The material was tested according to BS 5852:2006 (2011) Methods of test for the ignitability of upholstered composites for seating by flaming sources using Source 5 (Crib 5).

The sample was tested at 20°C and 53% relative humidity (R.H.).

The sample was tested over combustion modified polyurethane foam with a density of approximately 34-36kg/m³.



1066

Shirley® Technologies Limited. Registered Office: Wira House, West Park Ring Road, Leeds, LS16 6QL.
A company registered in England & Wales with company number 04669651. VAT Number GB 816764800.
BTTG® and Shirley® are trade names of Shirley Technologies Ltd.
The supply of all goods and services is subject to our standard terms of business, copies of which are available on request.
Our laboratories are accredited to EN ISO/IEC 17025.

Copyright © 2024 Shirley Technologies Limited. All rights reserved.



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: 21 October 2024
 Our Ref: 23/62490B/10/24
 Your Ref: ---
 Page: 3 of 4

Client: **Gabriel A/S**
 el

Results

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

	Specimen 1	Specimen 2
Time of Ignition (mins/secs)	0.07	0.09
Time of Flame Extinction (mins/secs)	5.06	6.16
Time of Smoke Extinction (mins/secs)	7.02	7.49
Time of cover split (mins/secs)	DNO	DNO
Extent of damage (mm) - Seat		
Width	153	149
Length	92	99
Depth	44	45
Extent of damage (mm) - Back		
Width	171	165
Depth	71	60
Melting	Yes	Yes
Dripping	No	No
Charring	Yes	Yes
Comments and Observations	DNO	DNO
Specimen Result (Ignition or Non-ignition)	Non-Ignition	Non-Ignition

Acronyms

ME – Manually extinguished
 DNO – Did not observe time of events

EC – Escalating combustion
 BTT – Burnt through thickness of foam

DNS – Material did not split
 BTE – Burnt to extremities





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: 21 October 2024

Our Ref: 23/62490B/10/24
Your Ref: ---

Page: 4 of 4

Client: **Gabriel A/S**

el

Comment

The results indicate 'Non-Ignition' of the materials and the test is designated NI/5 (ie. Pass).

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.

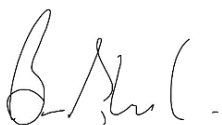
See our decision rules Policy (<https://www.bttg.co.uk/about-us/decision-rules-policy/>) for further information.

Uncertainty Budget

Measurements: ± 2 mm

Timings: ± 2 seconds

Reported by:  R Walls, Laboratory Technician

Countersigned by:  B Bland, Technical Customer Service Officer

Enquiries concerning this report should be addressed to Customer Services.

