



Confidential Report

Our Ref: 23/63180F/05/25





ira 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: 06 June 2025

Our Ref: 23/63180F/05/25

Your Ref: ---

Page: 1 of 6

Client: **FIDIVI Tessitura Vernano SpA**

Regione Masio 19bis
10046 Poirino
Torino
Italy

Job Title: Fire Test on One Fabric Sample

Clients Order Ref:

Date of Receipt: 19 May 2025

Date Test Started: 04 June 2025

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

Forte

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

BS 7176: 2007 + A1:2011 (Medium Hazard)

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

Note: This report relates only to the items tested.





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: 06 June 2025

Our Ref: 23/63180F/05/25
Your Ref: ---

Page: 2 of 6

Client: FIDIVI Tessitura Vernano SpA

Specification BS 7176: 2007 + A1:2011 Resistance to Ignition of Upholstered Furniture for non-domestic seating by testing composites using BS EN 1021:2006 Furniture – Assessment of the ignitability of upholstered furniture Parts 1 and 2 and BS 5852:Clause 11:2006 (Medium Hazard)

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 & 2:2006.

Foam Used

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 © 2025 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: 06 June 2025

Our Ref: 23/63180F/05/25

Your Ref: ---

Page: 3 of 6

Client: FIDIVI Tessitura Vernano SpA

Testing to BS EN 1021-1:2006 – Source 0 – Cigarette

The sample was tested in accordance with BS EN 1021-1:2006.

The test results relate only to the ignitability of the combustion 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 of products in use.

Results

Smouldering criteria	Specimen No.	
	1	2
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
Occurrence of flames	No	No
Specimen Result (Ignition or Non-ignition)	Non-Ignition (NI)	Non-Ignition (NI)

Any “Yes” in smouldering or flaming criteria means Ignition

Cigarette Test Result PASS





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: 06 June 2025

Our Ref: 23/63180F/05/25
 Your Ref: ---

Page: 4 of 6

Client: **FIDIVI Tessitura Vernano SpA**

BS EN 1021-2: 2006 – Source 1 – Butane Flame (Match)

The sample was tested in accordance with BS EN 1021-2:2006.

The test results relate only to the ignitability of the combustion 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 of products in use.

Any “Yes” in smouldering or flaming criteria means Ignition

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

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

Match Test Result PASS



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 © 2025 Shirley Technologies Limited. All rights reserved.



ira 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: 06 June 2025

Our Ref: 23/63180F/05/25
 Your Ref: ---

Page: 5 of 6

Client: FIDIVI Tessitura Vernano SpA

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

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

The material was tested in accordance with the above standard using Source 5 (Crib 5). The sample was tested at 22°C and 48% r.h.

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.

Results

	Specimen 1	Specimen 2
Time of Ignition (mins/secs)	0.04	0.05
Time of Flame Extinction (mins/secs)	4.31	3.58
Time of Smoke Extinction (mins/secs)	9.24	6.07
Time of cover split (mins/secs)	0.10	0.09
Extent of damage (mm) - Seat		
Width	150	143
Length	110	127
Depth	71	64
Extent of damage (mm) - Back		
Width	102	97
Depth	70	49
Melting	Yes	Yes
Dripping	No	No
Charring	Yes	Yes
Comments and Observations		
Specimen Result (Ignition or Non-ignition)	Non-Ignition	Non-Ignition

Acronyms

ME – Manually extinguished EC – Escalating combustion DNS – Material did not split
 DNO – Did not observe time of event BTT – Burnt through thickness of foam DNI – Did not ignite



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 © 2025 Shirley Technologies Limited. All rights reserved.



ira 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: 06 June 2025

Our Ref: 23/63180F/05/25
Your Ref: ---

Page: 6 of 6

Client: FIDIVI Tessitura Vernano SpA

Comment

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

Conclusion

The combination of materials meet BS 7176:2007 + A1:2011 for Medium Hazard.

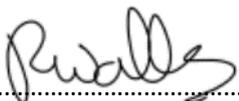
See BS 7176:2007 + A1:2011 Clause 6 for labelling and identification requirements. The test results relate only to the ignitability of the combination of upholstery composites under the particular conditions of test stated (BS EN 1021-1: 2006, BS EN 1021-2: 2006 and BS 5852: 2006 respectively); they are not intended as a means of assessing the full potential fire hazard of the materials or products in use.

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.
Measurements: ±2mm.
Weight: ±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.



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 © 2025 Shirley Technologies Limited. All rights reserved.