



Confidential Report

Our Ref: 23/58554F/15/2021





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

Date: 03 June 2021

Our Ref: 23/58554F/21

Your Ref: ---

Page: 1 of 4

Client:

Limonta SpA

Via C. Battisti. 15
23845 Costamasnaga
Lecco
Italy

Job Title:

Fire Test on One Fabric Sample

Clients Order Ref:

--

Date of Receipt:

20 May 2021

Date Test Started:

03 June 2021

Description of Sample:

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

Barbat col 53. Stated to be 41% PC, 38% PL, 21% CO.

Work Requested:

We were asked to make the following fire test:

The Furniture and Furnishings (Fire Safety) Regulations 1988, Schedule 4, Part 1, "The Cigarette Test" and Schedule 5, Part 1, "The Match Test"

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



1066

Note: This report relates only to the samples submitted and as described in the report.

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 © 2021 Shirley Technologies Limited. All rights reserved.



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

Date: 03 June 2021

Our Ref: 23/58554F/21
Your Ref: ---

Page: 2 of 4

Client: Limonta SpA

Testing to Schedule 4, Part 1, “The Cigarette Test” and Schedule 5, Part 1, “The Match Test” 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), using BS 5852:Part 1:1979

Pre-Treatment

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

Conditioning

All materials used were conditioned in the environment specified in Clause 7 of BS 5852: Part 1: 1979 “Methods of test for the ignitability by smokers materials of upholstered composites for seating.”

Testing

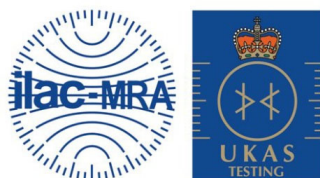
The material was tested according to BS 5852: Part 1: 1979 “Methods of test for the ignitability by smokers materials of upholstered composites for seating.”

The results of BS 5852: Part 1: 1979 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.

Cigarette Test – Source 0 - The sample was tested over non-fire retardant polyurethane foam with a density of approximately 20-22kg/m³.

Butane Flame Test – Source 1 - The sample was tested over non-fire retardant polyurethane foam with a density of approximately 20-22kg/m³.

The results for all tests are given in the table(s) on the following page(s).



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 © 2021 Shirley Technologies Limited. All rights reserved.

Date: 03 June 2021

Our Ref: 23/58554F/21
Your Ref: ---

Page: 3 of 4

Client: **Limonta SpA**

Results of Cigarette Test – Source 0

Specimen No.	1	2
Time of Ignition (min)	--	--
Extinction Time (Smouldering) (min)	24	22
Time to cover split (min)	DNS	DNS
Melting	No	No
Dripping	No	No
Charring	Yes	Yes
Progressive smouldering on final inspection	No	No

No flaming or progressive smouldering within a period of 1 hour from placement of the cigarette.

Result of the Cigarette Test: Pass

Results of Butane Flame (Match) Test – Source 1

Specimen No.	1	2
Time of Ignition (min)	9	9
Time of Flame Extinction (min)	>63 ME EC	>65 ME EC
Time to cover split (min)	DNS	DNS
Melting	No	No
Dripping	No	No
Charring	Yes	Yes
Progressive smouldering on final inspection	No	No

Requirements - Duration of flaming from removal of source not greater than 120 seconds. Duration of smouldering from removal of source not greater than 15 mins.

Result of the Butane Flame Test: Fail

Acronyms

DNP – Did not propagate
DNS – Material did not split

EC – Escalating combustion
DNO – Did not observe time of event

ME – Manually extinguished
BTE – Burnt to extremities

ES – Escalating smouldering



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 © 2021 Shirley Technologies Limited. All rights reserved.



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

Date: 03 June 2021

Our Ref: 23/58554F/21
Your Ref: ---

Page: 4 of 4

Client: Limonta SpA

Comments

The sample meets the flammability requirements of Schedule 4, Part 1, "The Cigarette Test" of the Furniture and Furnishings (Fire) (Safety) Regulation 1988 (as amended) S.I. No. 1324.

The sample fails to meet the flammability requirements of Schedule 5, Part 1, "The Match Test" of the Furniture and Furnishings (Fire) (Safety) Regulation 1988 (as amended) S.I. No. 1324.

Uncertainty of measurement has not been taken into account when presenting the test result. The overall uncertainty budget for BS 5852: Part 1: 1979 is as follows:

Measurements: ± 2 mm

Timings: ± 2 seconds

Reported by:  B Bland, Technical Customer Service Officer

Countersigned by:  P Doherty, Manager

Enquiries concerning this report should be addressed to Customer Services.



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 © 2021 Shirley Technologies Limited. All rights reserved.