Confidential Report

Our Ref: 23/60231/10/22

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: 14 October 2022

Our Ref: 23/60231/10/22
Your Ref: ---

Client: **KBT Ltd**

Carlton Business Centre
132 Saltley Road
Saltley
Birmingham
B7 4TH

Job Title: Fire Test on One Fabric Sample

Clients Order Ref: --

Date of Receipt: 4 October 2022

Date Test Started: 14 October 2022

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

100grm Non Slip Spunbond reference: KBT8727-F64-B383

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

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

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

Note: This report relates only to the items tested.

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Testing to Schedule 4, Part II, "The Cigarette Test" and Schedule 5, Part III, "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 for Invisible Parts of Covers

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 combustion modified polyurethane foam with a density of approximately 22-24kg/m^3.

Butane Flame Test – Source 1 - The sample was tested over combustion modified polyurethane foam with a density of approximately 22-24kg/m^3.

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Results - Cigarette Test – Source 0

Specimen No.	1	2
Time of Ignition (min)	--	--
Extinction Time (Smouldering) (min)	18	19
Time to cover split (min)	1	1
Melting	Yes	Yes
Dripping	No	No
Charring	Yes	Yes
Progressive smouldering on final inspection	No	No

Requirements - 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 (sec)	1	1
Time of Flame Extinction (sec)	21	33
Time to cover split (sec)	1	1
Melting	Yes	Yes
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 (Match) Test: Pass.

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

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Comments

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

The sample meets the flammability requirements of Schedule 5, Part III, "The Match Test" of the Furniture and Furnishings (Fire) (Safety) Regulation 1988 (as amended) S.I. No. 1324 for Invisible Parts of Covers.

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 (http://www.bttg.co.uk/decision-rules-policy) for further information.

Uncertainty Budget

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.

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