



Confidential Report

Our Ref: 23/60587C/01/23





Wira House, West Park Ring Road, Leeds, LS16 6QL, UK.
Telephone: +44 (0) 113 259 1999
Email: onestopshop@bttg.co.uk
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Date: 07 February 2023

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Your Ref: ---

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Client: **Kvadrat A/S**
Lundbergsvej 10
8400 Ebeltoft
Denmark

Job Title: Fire Test on One Fabric Sample

Clients Order Ref: ---

Date of Receipt: 26 January 2023

Date Test Started: 07 February 2023

Description of Sample: One sample of fabric, which was referenced by the client as;
Einar, stated to be: 70% Alpaca, 30% Mohair (backing material 100% Cotton)

Work Requested: We were asked to test the received sample to the following standard:
BS 5852: Clause 11:2006 (2011)

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

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 17°C and 40% relative humidity (R.H.).

The sample was tested over combustion modified polyurethane foam with a density of approximately 35kg/m³.



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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 (s)	16	18
Time of Flame Extinction (s)	212	213
Time of Smoke Extinction (s)	438	416
Time of cover split	DNO	DNO
Extent of damage (mm) - Seat		
Width	179	188
Length	128	133
Depth	40	43
Extent of damage (mm) - Back		
Width	156	185
Depth	46	41
Melting	No	No
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



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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:.....

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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