



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

Date: 30 August 2018

Our Ref: 55358-1-4
Your Ref: -

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Client: Kobefab International B.V.
De Vest 62
5555 XP Valkenswaard
Netherlands

Job Title: Testing of the Ignitability of Upholstered Fabric

Client's Order No: -

Date of Receipt: 20 August 2018

Date of Test Start: 24 August 2018

Description of Sample(s): One sample identified as follows was received for testing:

Moresco FR, stated to be 100% Pes FR

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

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



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Date: 30 August 2018

Our Ref: 55219-1-1
Your Ref: -

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Kobefab International B.V.

Sample was identified as follows:

Moresco FR, stated to be 100% Pes FR

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 and tested 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 49 % relative humidity (R.H.).

Foam Used


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

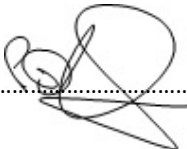
The results for all tests are given in the table(s) on the following page(s).

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

Measurements: ± 2 mm

Timings: ± 2 seconds

Reported by: 
B Bland
Fire Technician

Countersigned By: 
P Doherty
Operational Head

Enquiries concerning this report should be addressed to Customer Services



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Date: 30 August 2018

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RESULTS

Sample Ref: Moresco FR, stated to be 100% Pes FR

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)	8	10
Time of Flame Extinction (s)	202	241
Time of Smoke Extinction (s)	245	294
Time of cover split	44	30
Extent of damage (mm) - Seat		
Width	135	125
Length	100	95
Depth	45	60
Extent of damage (mm) - Back		
Width	125	110
Length	395	400
Depth	60	60
Melting	Yes	Yes
Dripping	Yes	Yes
Charring	Yes	Yes
Comments and Observations		
Specimen Result (Ignition or Non-ignition)	Non-Ignition	Non-Ignition

Abbreviations

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

Conclusion

The results indicate "Non-ignition" of the materials and the test is designated NI/5 i.e. Pass
This report relates only to the samples submitted and as described in the report.

Uncertainty of measurement has not been taken into account when presenting the test result.