



## COMBINED TEST REPORT

**Client:** Gabriel  
 Hjulmagervej 55  
 Postbox 59  
 DK-9100 Aalborg  
 Denmark

**Entry No:** 78888 (Combined report of entry numbers 73358 & 78452-01)

**Date received:** 26/09/2016

**Client's Description:** Sample of fabric: Rhythm

**Test Required:** Flammability BS 7176 Medium Hazard

**Pre-treatment:** None

**Conditioning:** A minimum of 24 hours at 50+/-5% Relative Humidity, 23+/-2°C

**Date Tests Completed:** 31/08/2016

**Method of Test:** BS EN 1021-1: 2006 – smouldering cigarette  
 BS EN 1021-2: 2006 – match flame equivalent

Ignition Source	Observations	Result
Smouldering cigarette	No flaming or progressive smouldering was observed within one hour of placement of the cigarettes.	PASS
Match flame equivalent	Flaming ceased within the specified two minute period after removal of the butane and no progressive smouldering occurred.	PASS

**Note:** A 35 kg/m<sup>3</sup> CMHR Foam (Carpenters RX36-125) which meets the requirements of Annex A of BS 7176 was used as the filling

The above tests 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.

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*This is hereby certified to be a correct return of the tests made of the items referred to herein*



Dale Brockbank  
 Materials Testing Manager  
 03 October 2016

- ❖ Unless instructed otherwise by the client sample remnants will be disposed of after 28 days.
  - ❖ Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.
  - ❖ Uncertainty budgets for test methods contained within this report are available on request.
- This Certificate relates only to the sample received and, unless that sample has been drawn by the staff of this laboratory, or its agent, and endorsed accordingly, any application of the result to a bulk quantity or other material is entirely the responsibility of the client.



1104



**Client:** Gabriel

**Entry No:** 78888 (Combined report of entry numbers 73358 & 78452-01)

**Method of Test:** BS 5852 : 2006 Clause 11 (composites)

**Pre-treatment:** None

**Conditioning:** A minimum of 96 hours at 50+/-5% Relative Humidity, 23+/-2°C

**Date Tests Completed:** 27/01/2016

The following test results relate only to the ignitability of the combination of upholstery composites 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.

Ignition Source	Observations	Result
5 (Wood Crib)	Flaming ceased within the specified ten minute period after ignition of the crib and no progressive smouldering occurred.	PASS

**Note:** A 35 kg/m<sup>3</sup> CMHR Foam (Carpenters RX36-125) which meets the requirements of Annex A of BS 7176 was used as the filling

#### Comments

BS 7176: 2007 + A1: 2011 relates to labelling of furniture. If an item of furniture was manufactured from a composite of the fabric and foam tested above then it would comply with the medium hazard category flammability requirements provided that it was tested every 2.500 units or once per month as required by Para 5 of BS 7176.

During the tests the following data was recorded: -

	Smouldering cigarette			Match flame equivalent		
	No Ignition	No Ignition	N/A	1	1	1
Time of Ignition (sec)	N/A	N/A	N/A	1	1	1
Time to extinction of flame after removal of butane flame (sec)	No split	No split	N/A	4	5	5
Time of Cover Split (sec)	Yes	Yes	N/A	Yes	Yes	Yes
Melting (Yes or No)	No	No	N/A	No	No	No
Dripping (Yes or No)	Yes	Yes	N/A	Yes	Yes	Yes
Charring (Yes or No)	No	No	N/A	N/A	N/A	N/A
Self-extinguished before smouldering full length (Yes or No)						

#### Source 5

Time of ignition (sec)	13	8
Time to extinction of flaming (sec)	202	182
Time to extinction of smoke (sec)	441	393
Time to cover splitting (sec)	17	14
Damage on seat width (mm)	187	193
Damage on seat length (mm)	156	151
Damage on seat depth (mm)	56	51
Damage on back width (mm)	150	157
Damage on back length (mm)	442	435
Damage on back depth (mm)	59	44
Melting (Yes or No)	Yes	Yes
Dripping (Yes or No)	No	No
Charring (Yes or No)	Yes	Yes

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