



## TEST REPORT

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

**Entry No:** 94454-07

**Date received:** 02/01/2018

**Client's Description:** Sample of fabric TASK: FA837, Design: Chilli

**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:** 08/01/2018

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

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

-----End of Page-----

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



Dale Brockbank  
 Materials Testing Manager  
 27 February 2018

- ❖ 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:** 94454-07

**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:** 08/01/2018

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	2	2	2
<b>Time of Ignition (sec)</b>	No Ignition	No Ignition	2	2	2
<b>Time to extinction of flame after removal of butane flame (sec)</b>	N/A	N/A	1	1	1
<b>Time of Cover Split (sec)</b>	No split	No split	3	3	3
<b>Melting (Yes or No)</b>	Yes	Yes	Yes	Yes	Yes
<b>Dripping (Yes or No)</b>	No	No	No	No	No
<b>Charring (Yes or No)</b>	Yes	Yes	Yes	Yes	Yes

#### Source 5

<b>Time of ignition (sec)</b>	6	9
<b>Time to extinction of flaming (sec)</b>	242	198
<b>Time to extinction of smoke (sec)</b>	293	406
<b>Time to cover splitting (sec)</b>	14	17
<b>Damage on seat width (mm)</b>	154	201
<b>Damage on seat length (mm)</b>	133	159
<b>Damage on seat depth (mm)</b>	60	60
<b>Damage on back width (mm)</b>	138	179
<b>Damage on back length (mm)</b>	450	431
<b>Damage on back depth (mm)</b>	48	64
<b>Melting (Yes or No)</b>	Yes	Yes
<b>Dripping (Yes or No)</b>	No	No
<b>Charring (Yes or No)</b>	Yes	Yes

-----End of Document-----