



TEST REPORT

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

Entry No: 71472

Date received: 17/08/2015

Client's Description: Sample of fabric: 2424 Crisp, Teflon and Flovan

Test Required: Flammability BS 7176 Medium Hazard

Pre-treatment: Watersoaking in accordance with EN 1021 Annex D followed by Line drying

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

Date Tests Completed: 24/08/2015

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	No flaming or progressive smouldering was observed after removal of the butane flame.	PASS

Note: A 35 kg/m³ 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
 24 August 2015

- ❖ 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.



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Client: Gabriel

Entry No: 71472

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

Pre-treatment: Watersoaking in accordance with BS5852:2006 Annex E followed by Line drying

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

Date Tests Completed: 24/08/2015

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/m³ 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.

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During the tests the following data was recorded: -

	Smouldering cigarette		Match flame equivalent		
	No Ignition	No Ignition	7	7	6
Time of Ignition (sec)	No Ignition	No Ignition	7	7	6
Time to extinction of flame after removal of butane flame (sec)	N/A	N/A	0	0	0
Time of Cover Split (sec)	split	split	12	13	12
Melting (Yes or No)	Yes	Yes	Yes	Yes	Yes
Dripping (Yes or No)	No	No	No	No	No
Charring (Yes or No)	Yes	Yes	Yes	Yes	Yes

Source 5

Time of ignition (sec)	23	23
Time to extinction of flaming (sec)	306	328
Time to extinction of smoke (sec)	354	419
Time to cover splitting (sec)	35	37
Damage on seat width (mm)	184	157
Damage on seat length (mm)	151	155
Damage on seat depth (mm)	41	71
Damage on back width (mm)	142	185
Damage on back length (mm)	433	421
Damage on back depth (mm)	44	46
Melting (Yes or No)	Yes	Yes
Dripping (Yes or No)	No	No
Charring (Yes or No)	Yes	Yes

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