West Yorkshire
Materials Testing Service

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TEST REPORT

Client:	Gabriel Hjulmagervej 55 Postbox 59 DK-9100 Aalborg Denmark
Entry No:	101092-02
Date received:	26/07/2018
Client's Description:	Sample of fabric: Noma, colour: 64217
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:	08/08/2018
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 flame and no progressive smouldering occurred.	PASS

Note: A 35 kg/m^3 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
08 August 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.

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West Yorkshire Materials Testing Service

Client:	Gabriel
Entry No:	101092-02

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:	08/08/2018

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^3 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		
Time of Ignition (sec)	No Ignition	No Ignition	2	2	2
Time to extinction of flame after removal of butane flame (sec)	N/A	N/A	1	1	1
Time of Cover Split (sec)			3	3	3
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)	7	8
Time to extinction of flaming (sec)	225	244
Time to extinction of smoke (sec)	391	464
Time to cover splitting (sec)	11	13
Damage on seat width (mm)	162	189
Damage on seat length (mm)	158	148
Damage on seat depth (mm)	53	71
Damage on back width (mm)	124	157
Damage on back length (mm)	435	444
Damage on back depth (mm)	54	58
Melting (Yes or No)	Yes	Yes
Dripping (Yes or No)	No	No
Charring (Yes or No)	Yes	Yes

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