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

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 03 October 2016

Unless instructed otherwise by the client sample remnants will be disposed of after 28 days.

 $\begin{tabular}{ll} $ \bullet$ & Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. \end{tabular}$

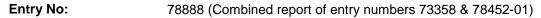
Uncertainty budgets for test methods contained within this report are available on request.
This Certificate relates only to the sample received and, unless that sample has been drawn by the staff of this laboratory, or its agent, and endorsed accordingly, any application of the result to a bulk quantity or other material is entirely the responsibility of the client.











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	PASS
	and no progressive smouldering occurred.	

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.

During the tests the following data was recorded: -

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