

Test Report

Report No.: A 872829-1



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Initials Chf/Leln
Order no.: 872829
No. of appendix: 1

Subject: Combination of upholstered material tested:
Cover: Sample of woven upholstery fabric, designated: Maple.
Fibre composition: 81% viscose, 15% linen, 4% polyester, non-woven polyester backing (as per info from the assigner). Approximate mass per area unit: 643 g/m².
Filling: Non flame-retardant polyurethane foam designated, E22120.
Approximate density: 22 kg/m³. The foam is delivered from the Institute.

Sampling: The test material was sampled by the client and received at the Danish Technological Institute 16 May 2019.

Method: Testing of ignitability according to the Cigarette Test specified in Part I of Schedule 4 of the Furniture and Furnishings (Fire)(Safety) Regulations 1988 (amended 1989/1993/2010), (Great Britain).
Ignition source: Smouldering cigarette.

Details of the test are given on page 2 in this report.

Period: The testing was completed 21 May 2019.

Result: The upholstery fabric under test **meets (PASSES)** the requirements specified in Schedule 4, Part I of the Furniture and Furnishings (Fire)(Safety) Regulations 1988, amended 1989/1993/2010, (GB).

Storage: The test material will be destroyed after 3 months, unless otherwise agreed.

Terms: The accredited test was carried out according to DANAK's general conditions see www.danak.dk and according to the General Terms and Conditions regarding Commissioned Work Accepted by the Danish Technological Institute, which apply at the time of signing the agreement. The test is only valid for the tested specimen. The test report may only be extracted, if the laboratory has approved the extract.

Date/place: 21 May 2019, Danish Technological Institute, Textile, Taastrup

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Results, continued: The test results 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.

The samples were tested in accordance to Schedule 4, Part I of the Furniture and Furnishings (Fire)(Safety) Regulations 1988 (amended 1989/1993/2010), (Great Britain).

Test method: BS 5852:Part 1:1979 – Fire test for Furniture
Ignition source: Smouldering cigarette.

Conditioning atmosphere: 23±2 °C / 50±5 % RH.

Test result: Non-ignition > PASS

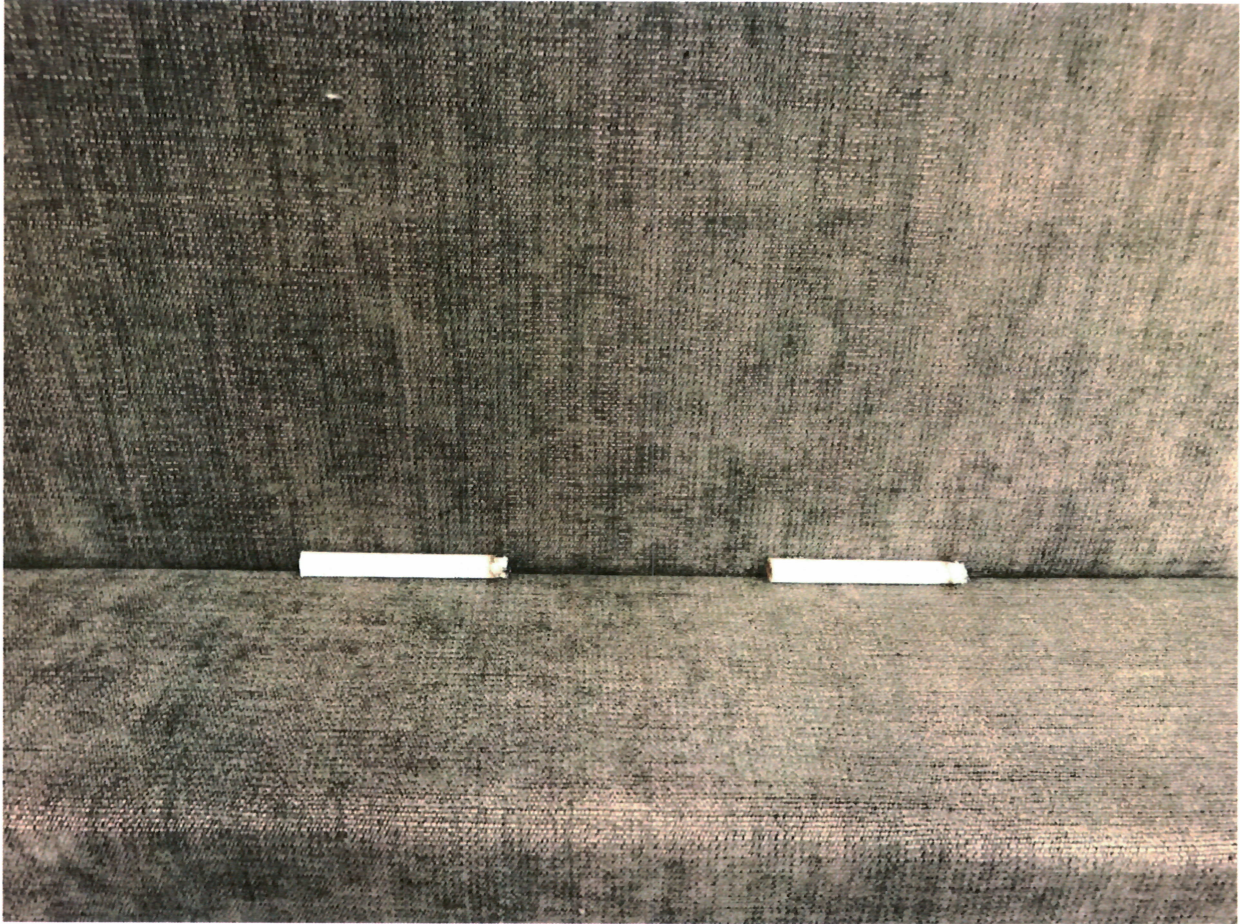
No observation of progressive flaming or smouldering within the 60 minutes of the placement of the cigarette.

Observations during test:	Source 0		Comments
	1	2	
The flaming ceased within	*	*	Cigarette self-extinguished before burning entire length.
All smouldering ceased within	-	-	
Melting	-	-	
Dripping Charring	-	-	
Charring	-	-	
Other phenomena	-	-	

*Cigarette self-extinguished before burning entire length.

Comments: Before testing the sample was **not** subjected to the water soaking and drying procedure as prescribed in Schedule 5, Part I of the Furniture and Furnishings (Fire)(Safety) Regulations 1988 (amended 1989/1993/2010), (Great Britain).

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Test Report

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No. of appendix: 1

Subject: Combination of upholstered material tested:
Cover: Sample of woven upholstery fabric, designated: Maple.
Fibre composition: 81% viscose, 15% linen, 4% polyester, non-woven polyester backing (as per info from the assignor). Approximate mass per area unit: 643 g/m².
Filling: Non flame-retardant polyurethane foam designated, E22120.
Approximate density: 22 kg/m³. The foam is delivered from the Institute.

Sampling: The test material was sampled by the client and received at the Danish Technological Institute 16 May 2019.

Method: Testing of ignitability according to the Match Test specified in Part I of Schedule 5 of the Furniture and Furnishings (Fire)(Safety) Regulations 1988 (amended 1989/1993/2010), (Great Britain).
Ignition source: Match flame equivalent.

Details of the test are given on page 2 in this report.

Period: The testing was completed 21 May 2019.

Result: The upholstery fabric under test **do meet** (PASSES) the requirements specified in Schedule 5, Part I of the Furniture and Furnishings (Fire)(Safety) Regulations 1988, amended 1989/1993/2010, (GB).

Storage: The test material will be destroyed after 3 months, unless otherwise agreed.

Terms: The accredited test was carried out according to DANAK's general conditions see www.danak.dk and according to the General Terms and Conditions regarding Commissioned Work Accepted by the Danish Technological Institute, which apply at the time of signing the agreement. The test is only valid for the tested specimen. The test report may only be extracted, if the laboratory has approved the extract.

Date/place: 21 May 2019, Danish Technological Institute, Textile, Taastrup

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 **DANAK**
TEST Reg.no. 2

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**Results,
continued:**

The test results 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.

Testing of ignitability according to the Match Test specified in Part I of Schedule 5 of the Furniture and Furnishings (Fire)(Safety) Regulations 1988 (amended 1989/1993/2010), (Great Britain).

Ignition source: Match flame equivalent.

Test method: BS 5852:Part 1:1979 – Fire test for Furniture
Ignition source: Match flame equivalent

Conditioning atmosphere: 23±2 °C / 50±5 % RH

Test result: Non-ignition > PASS

All progressive smouldering and flaming to cease within 120 seconds after removal of the ignition source. In the case of flaming or progressive smouldering of the upholstery components record a failed result.

Observations during test:	Source 1		Comments
	1	2	
The flaming ceased within	*	*	*Flaming ceased with the removal of the ignition source.
All smouldering ceased within	-	-	
Melting	No	No	
Dripping	No	No	
Charring	Yes	Yes	
Other phenomena	No	No	

*Flaming ceased with the removal of the ignition source.

Comments: Before testing the sample was **not** subjected to the water soaking and drying procedure as prescribed in Schedule 5, Part I of the Furniture and Furnishings (Fire)(Safety) Regulations 1988 (amended 1989/1993/2010), (Great Britain).

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