

Test Report

Report No.: A 843581-1



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Initials: Chf/LeIn
Order no.: 843581
No. of appendix: 1

Subject: Combination of upholstered material tested:
Cover: Sample of coated fabric, designated: Patio (as per info from the assigner)
Fibre composition: 100% Trevira CS, water repellent (as per info from the assigner)
Approximate mass per area unit: 368 g/m²
Filling: Non flame-retardant polyurethane foam designated, E22120.
Approximate density: 22 kg/m³. (The foam is delivered by Danish Technological Institute)

Sampling: The test material was sampled by the client and received at the Danish Technological Institute 26 November 2018.

Method: Testing of ignitability according to EN 1021-1:2014, Furniture - Assessment of ignitability of upholstered furniture - Part 1: Ignition source smouldering cigarette.

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

Period: The testing was completed 28 November 2018.

Result: According to the criteria of ignition described in EN 1021-1, chapter 3, the result is:

Non-ignition > PASS

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

Terms: Accredited testing was carried out in compliance with international requirements (EN/ISO/IEC 17025:2005) and in compliance with Danish Technological Institute's General Terms and Conditions regarding Commissioned Work accepted by Danish Technological Institute. The test results apply to the tested products only. This report may be quoted in extract only if the laboratory has granted its written consent.

Date/place: 29 November 2018, Danish Technological Institute, Textile, Taastrup

Charlotte Fischer

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Co-signatory



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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.

Test method: EN 1021-1:2014.
Ignition source: Smouldering cigarette.
Conditioning atmosphere: 23 ± 2 °C / 50 ± 5 % RH.

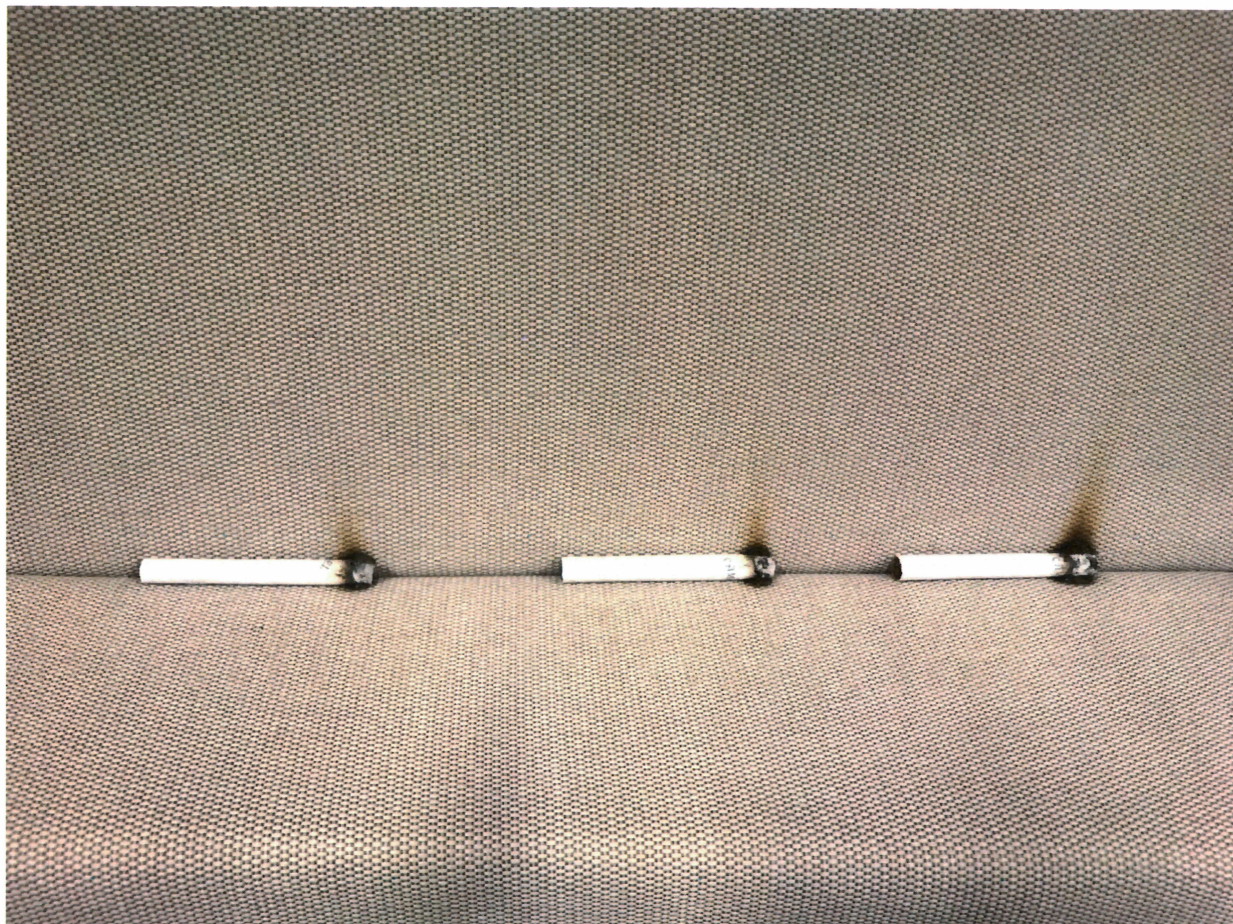
Test result: Non-ignition > PASS

Smouldering criteria	Cigarette		
	Test 1	Test 2	Test 3
Unsafe escalating combustion (3.1.a)	No	No	No
Test assembly largely consumed (3.1.b)	No	No	No
Smoulders to extremities (3.1.c)	No	No	No
Smoulders through thickness (3.1.c)	No	No	No
Smoulders more than 1 hour (3.1.d)	No	No	No
Progressive smouldering on final examination (3.1.e)	No	No	No
Flaming criteria			
Any flames initiated by smouldering source (3.2)	No	No	No
Self-extinguishing of the cigarettes before smouldering entire length	Yes	Yes	Yes

Comments:

Before testing the sample was not subjected to the water soaking and drying procedure described in EN 1021-1, annex D.

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Test Report

Report No.: A 843581-2

Assignor: Kvadrat A/S
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Order no.: 843581
No. of appendix: 1

Subject: Combination of upholstered material tested:
Cover: Sample of coated fabric, designated: Patio (as per info from the assigner)
Fibre composition: 100% Trevira CS, water repellent (as per info from the assigner)
Approximate mass per area unit: 368 g/m²
Filling: Non flame-retardant polyurethane foam designated, E22120.
Approximate density: 22 kg/m³. (The foam is delivered by Danish Technological Institute)

Sampling: The material for testing was submitted by the assigner and received on Danish Technological Institute 26 November 2018.

Method: Testing of ignitability according to EN 1021-2:2014, Furniture - Assessment of ignitability of upholstered furniture - Part 2: Ignition source match flame equivalent.

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

Period: The testing was completed 28 November 2018.

Result: According to the criteria of ignition described in EN 1021-2, chapter 3, the result is:

Non-ignition > PASS

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

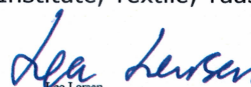
Terms: Accredited testing was carried out in compliance with international requirements (EN/ISO/IEC 17025:2005) and in compliance with Danish Technological Institute's General Terms and Conditions regarding Commissioned Work accepted by Danish Technological Institute. The test results apply to the tested products only. This report may be quoted in extract only if the laboratory has granted its written consent.

Date/place: 29 November 2018, 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.

Test method: EN 1021-2:2014.
Ignition source: Match flame equivalent.
Conditioning atmosphere: 23±2 °C / 50±5 % RH.

Test result: Non-ignition > PASS

Smouldering criteria	Match Flame equivalent		
	Test 1	Test 2	Test 3
Unsafe escalating combustion (3.1.a)	No	No	No
Test assembly largely consumed (3.1.b)	No	No	No
Smoulders to extremities (3.1.c)	No	No	No
Smoulders through thickness (3.1.c)	No	No	No
Smoulders more than 1 hour (3.1.d)	No	No	No
Progressive smouldering on final examination (3.1.e)	No	No	No
Flaming criteria			
Unsafe escalating combustion (3.2.a)	No	No	No
Test assembly essentially consumed (3.2.b)	No	No	No
Flames to extremities, except upper margins (3.2.c)	No	No	No
Flames through thickness (3.2.c)	No	No	No
Flames longer than 120 sec. (3.2.d)	No	No	No

Comments:

Before testing the sample was not subjected to the water soaking and drying procedure described in EN 1021-2, annex D.

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