

Test Report

Report Number:
966521-1-PMI



**DANISH
TECHNOLOGICAL
INSTITUTE**

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Page 1 of 3
Init.: CHF/LELN
Order no.: 966521
Encl.: 2

Assignor: Kvadrat A/S, Lundbergsvej 10 , DK-8400 Ebeltøft

Item: Combination of upholstered material tested
Detailed information is given in enclosure A.

Sampling: The assignor confirms having selected the product. The product was forwarded by the assignor and received at Danish Technological Institute on 2 February 2021.

Period: The test took place on 3 February 2021.

Method: DS EN 1021-1:2014:2014 Furniture-Assessment of the ignitability of upholstered furniture-Part 1: Ignition source of smouldering cigarette

Test results: According to the criteria of ignition described in EN 1021-1, chapter 3, the result is:
Non-ignition > PASSES
The results are shown in enclosure A.

Terms: This test was conducted accredited in accordance with international requirements (ISO/IEC 17025:2017) and in accordance with the General Terms and Conditions of Danish Technological Institute. The test results solely apply to the tested item. This test report may be quoted in extract only if Danish Technological Institute has granted its written consent.

Place: Danish Technological Institute, Taastrup, Building and Construction

Signature: This document is only valid with a digital signature from Danish Technological Institute. The date of issue appears from the digital signature.
Charlotte Fischer
Senior Consultant



DIGITALLY SIGNED DOCUMENT

3 February 2021

DANISH TECHNOLOGICAL INSTITUTE



DANAK

TEST Reg.no. 2



Materials

Item: Combination of upholstered material tested

Combination of upholstered material tested:

Cover: Sample of upholstered material designated: Encircle 0222, Serial Number: GA24208-0605. (as per info from the assigner)

Approximate mass per unit: 365 g/m².

Filling: Flame-retardant polyurethane foam designated: RG 37160. Approximate density: 35 kg/ m³.

(The foam is delivered by Dansih Technological Institute)

Results

Test method: DS EN 1021-1:2014:2014

Ignition source: Smouldering cigarette

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

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

Test result: Non-ignition > PASSES

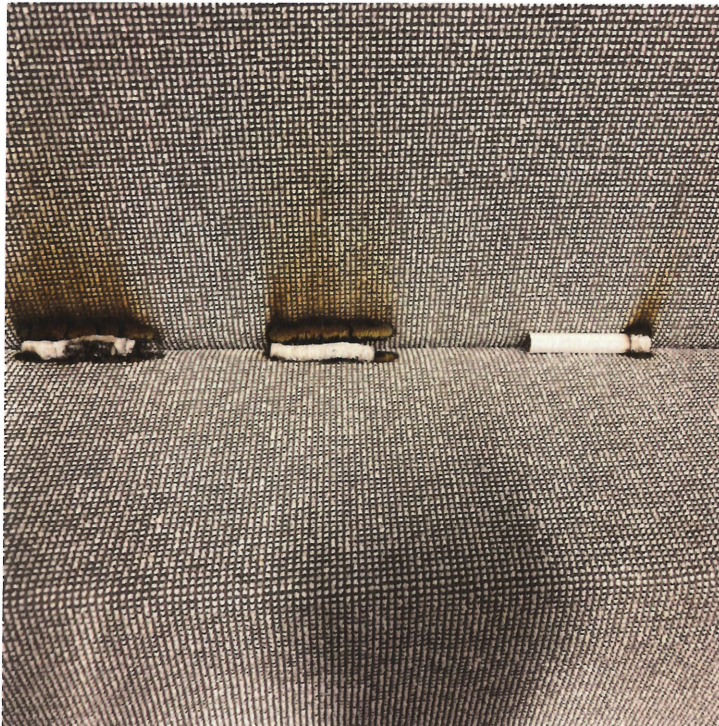
	Cigarette Test No.		
	1	2	3
Smouldering criteria			
Unsafe escalating combustion (3.1.a)	No	No	No
Test assembly largely consumed (3.1.b)	No	No	No
Smoulders to extremities (3.1.c)	No	No	No
Smoulders through thickness (3.1.c)	No	No	No
Smoulders for more than 1 hour (3.1.d)	No	No	No
In final examination, presence of progressive smouldering (3.1.e)	No	No	No
Flaming criteria			
Occurrence of flames (3.2)	No	No	No
Self-extinguishing of the cigarettes before smouldering entire length	No	No	Yes

The above 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.



Photos

Test of: Combination of upholstered material tested



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Page 1 of 3
Init.: CHF/LELN
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Encl.: 2

- Assignor:** Kvadrat A/S, Lundbergsvej 10 , DK-8400 Ebeltøft
- Item:** Combination of upholstered materail tested
Detailed information is given in enclosure A.
- Sampling:** The assignor confirms having selected the product. The product was forwarded by the assignor and received at Danish Technological Institute on 2 February 2021.
- Period:** The test took place on 3 February 2021.
- Method:** DS EN 1021-2:2014:2014 Furniture- Assessment of the ignitability of upholstered furniture- Part 2: Ignition source match flame equivalent
- Test results:** According to the criteria of ignition described in EN 1021-2, chapter 3, the result is:
Non-ignition > PASSES
The results are shown in enclosure A.
- Terms:** This test was conducted accredited in accordance with international requirements (ISO/IEC 17025:2017) and in accordance with the General Terms and Conditions of Danish Technological Institute. The test results solely apply to the tested item. This test report may be quoted in extract only if Danish Technological Institute has granted its written consent.
- Place:** Danish Technological Institute, Taastrup, Building and Construction
- Signature:** This document is only valid with a digital signature from Danish Technological Institute. The date of issue appears from the digital signature.
Charlotte Fischer
Senior Consultant



DIGITALLY SIGNED DOCUMENT

3 February 2021

DANISH TECHNOLOGICAL INSTITUTE



DANAK

TEST Reg.no. 2



Materials

Item: Combination of upholstered material tested

Combination of upholstered material tested:

Cover: Sample of upholstered material designated: Encircle 0222, Serial Number: GA24208-0605. (as per info from the assigner)

Approximate mass per unit: 365 g/m².

Filling: Flame-retardant polyurethane foam designated: RG 37160. Approximate density: 35 kg/ m³.

(The foam is delivered by Danish Technological Institute)

Results

Test method: DS EN 1021-2:2014:2014

Ignition source: Match flame equivalent

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

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

Test result: Non-ignition > PASSES

	Cigarette Test No.		
	1	2	3
Smouldering criteria			
Unsafe escalating combustion (3.1.a)	No	No	No
Test assembly 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 for more than 1 hour (3.1.d)	No	No	No
In final examination, presence of progressive smouldering (3.1.e)	No	No	No
Flaming criteria			
Unsafe escalating combustion (3.2.a)	No	No	No
Test assembly consumed (3.2.b)	No	No	No
Flaming to extremities (3.2.c)	No	No	No
Flaming through thickness (3.2.c)	No	No	No
Flames longer than 120 s (3.2.d)	No	No	No

The above 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.

Enclosure: B



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Photos

Test of: Combination of upholstered materail tested

