

Test Report

Report Number:
186430-1-PMI



**DANISH
TECHNOLOGICAL
INSTITUTE**

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Page 1 of 3
Init.: CHF/LELN
Order no.: 186430
Encl.: 2

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

Item: Combination of upholstered material tested designated: Duke
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 9 March 2023.

Period: The test took place from 10 March 2023 to 15 March 2023.

Method: DS EN 1021-1:2014 Furniture-Assesment 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, Environmental Technology

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



DANAK

TEST Reg.no. 2



Materials

Item: Combination of upholstered material tested designated: Duke

Combination of upholstered material tested:

Cover:

Designated: Duke

Fibre content: 70% viscose, 15% cotton, 8% polyester, 7% polyacrylic

Approximate mass per area: 449 g/m²

Filling: Flame-retardant CMHR foam designated: CMHR 3538/RG35150.

Approximate density: 35 kg/m³

(Foam was provided by the test laboratory.)

Results

Test method: DS EN 1021-1:2014

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	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.



Photos

Test of: Combination of upholstered material tested designated: Duke



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Assignor: KVADRAT A/S, Lundbergsvej 10, DK-8400 Ebeltoft

Item: Combination of upholstered material tested designated: Duke
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 9 March 2023.

Period: The test took place from 10 March 2023 to 15 March 2023.

Method: DS EN 1021-2:2014 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:
Flaming ignition > FAILS
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.

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Charlotte Fischer
Senior Consultant



DIGITALLY SIGNED DOCUMENT

15 March 2023

DANISH TECHNOLOGICAL INSTITUTE



DANAK

TEST Reg.no. 2



Materials

Item: Combination of upholstered material tested designated: Duke

Combination of upholstered material tested:

Cover:

Designated: Duke

Fibre content: 70% viscose, 15% cotton, 8% polyester, 7% polyacrylic

Approximate mass per area: 449 g/m²

Filling: Flame-retardant CMHR foam designated: CMHR 3538/RG35150.

Approximate density: 35 kg/m³

(Foam was provided by the test laboratory.)

Results

Test method: DS EN 1021-2:2014

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: Flaming ignition > FAILS

	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	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 designated: Duke

