

# Test Report

Report Number:  
159664-3-PMI



**DANISH  
TECHNOLOGICAL  
INSTITUTE**

Gregersensvej 1  
DK-2630 Taastrup  
+45 72 20 20 00  
info@teknologisk.dk  
www.teknologisk.dk

Page 1 of 3  
Init.: CHF/LELN  
Order no.: 159664  
Encl.: 2

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

**Item:** Sample of upholstery fabric designated: B108 by Sahco, colour 0005  
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 14 October 2022.

**Period:** The test took place from 24 October 2022 to 26 October 2022.

**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



DIGITALLY SIGNED DOCUMENT

27 October 2022

DANISH TECHNOLOGICAL INSTITUTE



**DANAK**

TEST Reg.no. 2



## Materials

Item: Sample of upholstery fabric designated: B108 by Sahco, colour 0005

Combination of upholstered material tested:

Cover:

Designated: B108 by Sahco, colour 0005

Fibre content: 100% Mohair (nap)

Approximate mass per area: 592 g/m<sup>2</sup>

Filling: Non flame-retardant polyurethane foam designated, RP 25145.

Approximate density: 22 kg/m<sup>3</sup>

(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

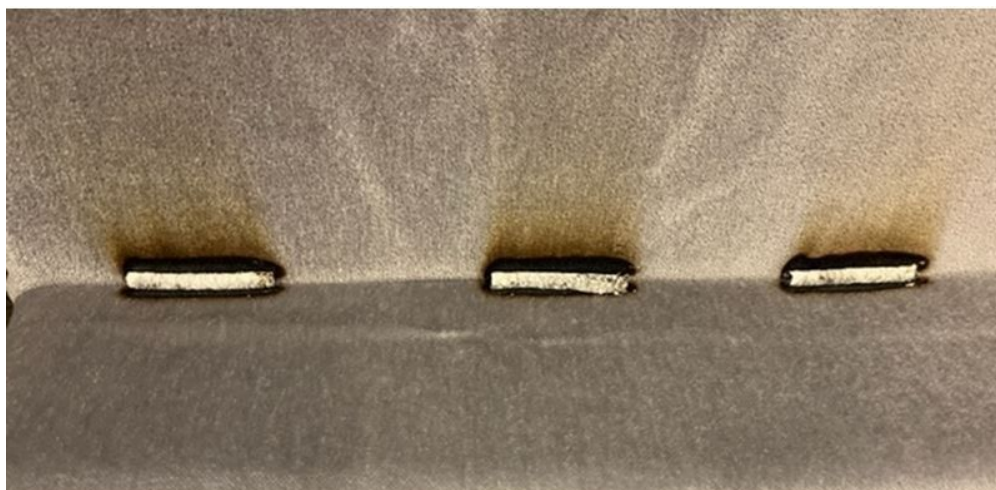
**Test result: Non-ignition > PASSES**

	Cigarette Test No.		
	1	2	3
<b>Smouldering criteria</b>			
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
<b>Flaming criteria</b>			
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: Sample of upholstery fabric designated: B108 by Sahco, colour 0005*



# Test Report

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

**Item:** Sample of upholstery fabric designated: B108 by Sahco, colour 0005  
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 14 October 2022.

**Period:** The test took place from 24 October 2022 to 27 October 2022.

**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:  
**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.

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TEST Reg.no. 2



## Materials

Item: Sample of upholstery fabric designated: B108 by Sahco, colour 0005

Combination of upholstered material tested:

Cover:

Designated: B108 by Sahco, colour 0005

Fibre content: 100% Mohair (nap)

Approximate mass per area: 592 g/m<sup>2</sup>

Filling: Non flame-retardant polyurethane foam designated, RP 25145.

Approximate density: 22 kg/m<sup>3</sup>

(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: Non-ignition > PASSES**

	Test No.		
	1	2	3
<b>Smouldering criteria</b>			
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
<b>Flaming criteria</b>			
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.



## Photos

*Test of: Sample of upholstery fabric designated: B108 by Sahco, colour 0005*

