

# Test Report

Report Number:  
987191-1-PMI



**DANISH  
TECHNOLOGICAL  
INSTITUTE**

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Init.: CHF/LELN  
Order no.: 987191  
Encl.: 2

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

**Item:** Sample of upholstery fabric designated: Haku 0101  
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 29 June 2021.

**Period:** The test took place from 1 July 2021 to 5 July 2021.

**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

5 July 2021

DANISH TECHNOLOGICAL INSTITUTE



**DANAK**

TEST Reg.no. 2



## Materials

Item: Sample of upholstery fabric designated: Haku 0101

Combination of upholstered material tested:

Cover: Designated Haku 0101

Fibre content: 100% polyurethan / silicone, polyester backing.

Approximate mass per area: 587 g/m<sup>2</sup>

Filling: Non-retardant polyurethane foam designated, E22120.

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

(The foam is delivered by 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	Yes	Yes	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: Sample of upholstery fabric designated: Haku 0101*

