

Test Report

Report Number:
108184-1-BSC



**DANISH
TECHNOLOGICAL
INSTITUTE**

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Page 1 of 3
Init.: CHF/LELN
Order no.: 108184
Encl.: 2

- Assignor:** Kvadrat A/S, Lundbergsvej 10, DK-8400 Ebeltøft
- Item:** Sample of upholstery fabric designated: Mountain
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 November 2021.
- Period:** The test took place from 16 November 2021 to 17 November 2021.
- Method:** BS 5852-1:1979 Fire tests for furniture. Part 1: Methods of test for the ignitability by smokers' materials of upholstered composites for seating. Source 0 & 1: Cigarette and match flame Equivalent
- Test results:** According to the requirements specified in Schedule 4, Part I of the Furniture and Furnishings (Fire)(Safety) Regulations 1988, (amended 1989/1993/2010), (GB), 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

18 November 2021

DANISH TECHNOLOGICAL INSTITUTE



DANAK

TEST Reg.no. 2



Materials

Item: Sample of upholstery fabric designated: Mountain

Combination of upholstered material tested:

Cover:

Designated Mountain

Fibre content: 100% polyester FR

Approximate mass per area: 279 g/m²

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

Approximate density: 22 kg/m³

(Foam was provided by the test laboratory.)

Results

Test method: BS 5852-1:1979

The samples were tested in accordance with Schedule 4, Part I of the Furniture and Furnishings (Fire)(Safety) Regulations 1988 (amended 1989/1993/2010), (Great Britain).

Ignition source: Smouldering cigarette (Source 0)

Water soaking: Before testing the sample was not subjected to the water soaking and drying as prescribed in Schedule 5, Part I of the Furniture and Furnishings (Fire)(Safety) Regulations 1988 (amended 1898/1993/2010), (Great Britain)

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

Test result: Non-ignition > PASSES

| Observations during test | Cigarette test no. | | Comments |
|-------------------------------------|--------------------|-----|----------|
| | 1 | 2 | |
| The flame ceased within [min] | 14 | 18 | |
| All smouldering ceased within [min] | 17 | 20 | |
| Melting | Yes | Yes | |
| Dripping charring | No | No | |
| Charring | No | No | |
| Other phenomena | 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: Mountain



Test Report

Report Number:
108184-2-BSM



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- Method:** BS 5852-1:1979 Fire tests for furniture. Part 1: Methods of test for the ignitability by smokers' materials of upholstered composites for seating. Source 0 & 1: Cigarette and match flame Equivalent
- Test results:** According to the requirements specified in Schedule 5, Part I of the Furniture and Furnishings (Fire)(Safety) Regulations 1988, (amended 1989/1993/2010), (GB), the result is:
Ignition > FAILS
The results are shown in enclosure A.
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DANAK

TEST Reg.no. 2



Materials

Item: Sample of upholstery fabric designated: Mountain

Combination of upholstered material tested:

Cover:

Designated Mountain

Fibre content: 100% polyester FR

Approximate mass per area: 279 g/m²

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

Approximate density: 22 kg/m³

(Foam was provided by the test laboratory.)

Results

Test method: BS 5852-1:1979

The samples were tested in accordance with Schedule 5, Part I of the Furniture and Furnishings (Fire)(Safety) Regulations 1988 (amended 1989/1993/2010), (Great Britain).

Ignition source: Match flame equivalent (Source 1)

Water soaking: Before testing the sample was not subjected to the water soaking and drying as prescribed in Schedule 5, Part I of the Furniture and Furnishings (Fire)(Safety) Regulations 1988 (amended 1898/1993/2010), (Great Britain)

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

Test result: Ignition > FAILS

| Observations during test | Flame test no. | | Comments |
|-------------------------------------|----------------|---|---|
| | 1 | 2 | |
| The flame ceased within [min] | 141 | - | Extinguished with water after 2 minutes due to escalating burning behaviour, unsafe to continue |
| All smouldering ceased within [min] | 141 | - | |
| Melting | No | - | |
| Dripping charring | No | - | |
| Charring | No | - | |
| Other phenomena | 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: Mountain

