

Test report

Report no.:
A721151-3



**DANISH
TECHNOLOGICAL
INSTITUTE**

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Page 1 of 2
Init: CHF/LELN/AC
Order no.: 721151
Appendix: 1

Assigner: Contact person: Lone Henriksen
Company: Kvadrat A/S
Address: Lundbergsvej 10
City: DK-8400 Ebeltøft

Material tested: Combination of upholstered material tested:
Cover: Sample of fabric, designated: Floyd, trial C (as per info from the assigner).
Fibre composition: 45 % new wool, 5 % nylon, 50 % polyester (as per info from the assigner).
Approximate mass per area unit: 272 g/m².
Filling: CMHR polyurethane foam, designated CMHR 35.
Approximate density: 35 kg/m³. (The foam is delivered by Danish Technological Institute).

Sampling: The material for testing was submitted by the assigner and received on Danish Technological Institute 11 October 2016.

Period: The testing was completed 13 October 2016.

Test method: Testing of ignitability according to EN 1021-1:2014, Furniture - Assessment of ignitability of upholstered furniture - Part 1: Ignition source smouldering cigarette.
Details of the test are given on page 2 in this report.

Results: According to the criteria of ignition described in EN 1021-1, chapter 3, the result is:
Non-ignition > PASS

Storage: The tested material will be stored for 3 months after completion of the test unless longer is pre-agreed in writing.

Terms: The test has been performed according to the conditions laid down by DANAK (The Danish Accreditation), cf. www.danak.dk, and the general terms and conditions of The Danish Technological Institute. The results from DTI's work in this report, i.e. analyses, assessments and instructions may only be used or reported in their entirety. The customer may not mention or refer to DTI or DTI's employees for advertising or marketing purposes unless the DTI has granted its written consent in each case."

Place: 13 October 2016, Danish Technological Institute, Taastrup, Textile

Signature:

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Signatory

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Counter-signatory



**DANAK**

Test Reg. nr. 2



**Results,
continued:**

The 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.

Test method: EN 1021-1:2014.
Ignition source: Smouldering cigarette.
Conditioning atmosphere: 23±2 °C / 50±5 % RH.

Test result: Non-ignition > PASS

Smouldering criteria	Cigarette		
	Test 1	Test 2	Test 3
Unsafe escalating combustion (3.1.a)	No	No	-
Test assembly largely consumed (3.1.b)	No	No	-
Smoulders to extremities (3.1.c)	No	No	-
Smoulders through thickness (3.1.c)	No	No	-
Smoulders more than 1 hour (3.1.d)	No	No	-
Progressive smouldering on final examination (3.1.e)	No	No	-
Flaming criteria			
Any flames initiated by smouldering source (3.2)	No	No	-
Self-extinguishing of the cigarettes before smouldering entire length	No	No	-

Comments:

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

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Appendix 1



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Photo:



Test report

Report no.:
A721151-4



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Page 1 of 2
Init: CHF/LELN/AC
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Appendix: 1

- Assigner:** Contact person: Lone Henriksen
Company: Kvadrat A/S
Address: Lundbjergsvej 10
City: DK-8400 Ebeltoft
- Material tested:** Combination of upholstered material tested:
Cover: Sample of fabric, designated: Floyd, trial C (as per info from the assigner).
Fibre composition: 45% New wool, 5% nylon, 50% polyester (as per info from the assigner).
Approximate mass per area unit: 272 g/m²
Filling: CMHR polyurethane foam, designated CMHR 35.
Approximate density: 35 kg/m³. (The foam is delivered by Danish Technological Institute).
- Sampling:** The material for testing was submitted by the assigner and received on Danish Technological Institute 11 October 2016.
- Period:** The testing was completed 13 October 2016.
- Test method:** Testing of ignitability according to EN 1021-2:2014, Furniture - Assessment of ignitability of upholstered furniture - Part 2: Ignition source match flame equivalent.
Details of the test are given on page 2 in this report.
- Results:** According to the criteria of ignition described in EN 1021-2, chapter 3, the result is:
Non-ignition > PASS
- Storage:** The tested material will be stored for 3 months after completion of the test unless longer is pre-agreed in writing.
- Terms:** The test has been performed according to the conditions laid down by DANAK (The Danish Accreditation), cf. www.danak.dk, and the general terms and conditions of The Danish Technological Institute. The results from DTI's work in this report, i.e. analyses, assessments and instructions may only be used or reported in their entirety. The customer may not mention or refer to DTI or DTI's employees for advertising or marketing purposes unless the DTI has granted its written consent in each case."
- Place:** 13 October 2016, Danish Technological Institute, Taastrup, Textile

Signature:

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**DANAK**

Test Reg. nr. 2



**Results,
continued:**

The 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.

Test method: EN 1021-2:2014.

Ignition source: Match flame equivalent.

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

Test result: Non-ignition > PASS

Smouldering criteria	Match Flame equivalent		
	Test 1	Test 2	Test 3
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 more than 1 hour (3.1.d)	No	No	No
Progressive smouldering on final examination (3.1.e)	No	No	No
Flaming criteria			
Unsafe escalating combustion (3.2.a)	No	No	No
Test assembly essentially consumed (3.2.b)	No	No	No
Flames to extremities, except upper margins (3.2.c)	No	No	No
Flames through thickness (3.2.c)	No	No	No
Flames longer than 120 sec. (3.2.d)	No	No	No
Comments:			

Comments:

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

Report no.:
A721151-4
Appendix 1



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Photo:

