



DANISH  
TECHNOLOGICAL  
INSTITUTE

Kvadrat A/S  
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Report no. A1217488/363708-1  
Page 1 of 2  
Date 26 May 2010  
Initials Ldkr/chf/hbs

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## Test Report

Material: Combination of upholstered material tested:

**Cover:** Sample of rose woven upholstery fabric designated:  
Sunniva, 62% wool/25% viscose/8% linen/ 5% polyamide.

Approximate mass per unit area: 427 g/m<sup>2</sup>

**Filling:** Non flame-retardant polyurethane foam, designated: E22120  
Approx. density 22 kg/m<sup>3</sup>

The foam is delivered from the Institute.

Sampling: The cover material was submitted by the assignor and received on Danish Technological Institute 18 May 2010.

Method: Testing of ignitability according to EN 1021-1:2006, 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.

Period: The testing was completed 25 May 2010

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

**EN 1021-1: Non-ignition > PASS**

Terms: The test has been performed according to the rear side conditions, which are according to the guidelines laid down by DANAK (The Danish Accreditation). The testing is only valid for the tested specimen. The test report may only be extracted, if the laboratory has approved the extract.

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26 May 2010, Danish Technological Institute, Textile

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Counter-signatory

Material under test: Combination of upholstered material tested:

**Cover:** Sample of rose woven upholstery fabric designated:

Sunniva, 62% wool/25% viscose/8% linen/ 5% polyamide.

Approximate mass per unit area: 427 g/m<sup>2</sup>

**Filling:** Non flame-retardant polyurethane foam, designated: E22120

Approx. density 22 kg/m<sup>3</sup>

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 1021-1:2006.

Ignition source: Smouldering cigarette.

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

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

<b>Smouldering criteria</b>	Cigarette	
	Test 1	Test 2
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
Active smouldering on final examination (3.1.e)	No	No
<b>Flaming criteria</b>		
Any flames initiated by smouldering source (3.2)	No	No



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## Test Report

- Material: Combination of upholstered material tested:
- Cover:** Sample of rose woven upholstery fabric designated: Sunniva, 62% wool/25% viscose/8% linen/ 5% polyamide.  
Approximate mass per unit area: 427 g/m<sup>2</sup>  
**Filling:** Non flame-retardant polyurethane foam, designated: E22120  
Approx. density 22 kg/m<sup>3</sup>
- The foam is delivered from the Institute.
- Sampling: The cover material was submitted by the assignor and received on Danish Technological Institute 18 May 2010.
- Method: Testing of ignitability according to EN 1021-2:2006, 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.
- Period: The testing was completed 25 May 2010
- Results: According to the criteria of ignition described in EN 1021-2, chapter 3, the result is:
- EN 1021-2: Non-ignition > PASS**
- Terms: The test has been performed according to the rear side conditions, which are according to the guidelines laid down by DANAK (The Danish Accreditation). The testing is only valid for the tested specimen. The test report may only be extracted, if the laboratory has approved the extract.

26 May 2010, Danish Technological Institute, Textile

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Counter-signatory

Material under test: Combination of upholstered material tested:

**Cover:** Sample of rose woven upholstery fabric designated:  
Sunniva, 62% wool/25% viscose/8% linen/ 5% polyamide.

Approximate mass per unit area: 427 g/m<sup>2</sup>

**Filling:** Non flame-retardant polyurethane foam, designated: E22120

Approx. density 22 kg/m<sup>3</sup>

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 1021-2:2006.

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
Active smouldering on final examination (3.1.e)	No	No	No
<b>Flaming criteria</b>			
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