



DANISH
TECHNOLOGICAL
INSTITUTE

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Project no. A607169-2
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Date 8 July 2014
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Test Report

Material: Upholstery combination of material tested:
Cover: Sample of woven cover fabric, designated: Sunniva 2
Composition: 58% new wool, 25% viscose, 8% linen, 5% polyamide, 4% polyester.
Approx. mass pr. unit area: 440 g/m²

Filling:
Polyurethane foam, specified in TB 117-2013 Annex B
Density 28,0 - 29,6 kg/m³.
(Foam was delivered from the institute)

Sampling: The test material was submitted by the assignor and received at the Danish Technological Institute 23 June 2014.

Method: California Bureau of Home Furnishings and Thermal Insulation Technical Bulletin 117-2013. Section 1. Cover fabric test.

Period: The testing was completed 26 June 2014.

Results: The cover fabric under test **meets (PASSES)** the requirements to flammability of cover fabrics specified in Technical Bulletin 117-2013, Section 1 from Bureau of Home Furnishings and Thermal Insulation, State of California, USA.

Details of the tests are given on pages 2 of this report.

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.

8 July 2014, Danish Technological Institute, Textile


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Results,
continuedTesting according to Technical Bulletin 117-2013, Section 1

Smouldering test (cigarette test) for cover fabric materials in combination with standard polyurethane foam, specified in TB 117-2013 Annex B.

Test materials were conditioned at 21 ± 2 °C (70 ± 5 °F) and less than 55 % RH.

A fresh cigarette must be placed on new a test assembly, until either three cigarettes have burned their entire length on three individual test specimens, or three cigarettes have self-extinguished on the specimen.

Three determinations were carried out.

	Test 1	Test 2	Test 3
Smouldering time in minutes	30	27	28
Vertical char length in inches	0,39 (10 mm)	0,39 (10 mm)	0,47 (12 mm)
Occurrence of flames	No	No	No
Comments			

Requirements

A material is considered to pass or fail based on the following criteria according to Technical Bulletin 117-2013, Section 1, item 3.4:

1.	A single mock-up test specimen fails to meets the requirements of this test procedure if any of the following criteria occurs:
	a) The mock-up test specimen continues to smoulder after 45 minute test duration.
	b) A vertical char length of more than 1,5 inches (38 mm) develops on the cover fabric.
	c) The mock-up test specimen transitions to open flame.
2.	The cover fabric passes the test if three initial mock-up specimens pass the test, i.e., the cigarettes burn full length and the mock-ups are no longer smouldering.
3.	If more than one initial specimen fails, the cover fabric fails the test.
4.	If any of the three initial specimen fails, repeat the test on additional three specimens.
5.	If all three additional specimens pass the test, the cover fabric passes the test. If any one of the additional three specimens fails, the cover fabric fails the test.

The cover fabric under test **meets (PASSES)** these requirements.

TEST Reg. no. 25

Project no. A607169-2
Annex: 1

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Photos:

