Test Report

Report No.: A780873-5

DANISH TECHNOLOGICAL INSTITUTE

Gregersensvej
DK-2630 Taastrup
Tel. +45 72 20 20 00
Fax +45 72 20 20 19

info@teknologisk.dk
www.teknologisk.dk

Initials Chf/leln/ac
Order no.:780873
No. of appendix: 1

Assignor: Company: AB Ludvig Svensson
Attn.: Caroline Hultberg
Address: 511 82 Kinna
Country: Sweden

Subject: Combination of upholstered material tested:
Cover: Sample of woven fabric, designated: SoftMill (as per info from the assigner).
Fibre composition: 75 % wool, 25 % Viskos. (as per info from the assigner).
Approximate mass per area unit: 410 g/m^2. (as per info from the assigner).

Filling: Polyurethane foam, specified in TB 117-2013 Annex B.
Density 28,0 - 29,6 kg/m^3.
(Foam was submitted by Danish Technological Institute).

Sampling: The test material was sampled by the client and received at the Danish Technological Institute 24 October 2017.

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

Period: The testing was completed 26 October 2017.

Result: 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.

Storage: The test material will be destroyed after 3 months, unless otherwise agreed.

Terms: The accredited test was carried out according to DANAK's general conditions see www.danak.dk and according to the General Terms and Conditions regarding Commissioned Work Accepted by the Danish Technological Institute, which apply at the time of signing the agreement. The test is only valid for the tested specimen. The test report may only be extracted, if the laboratory has approved the extract.

Date/place: 26 October 2017, Danish Technological Institute, Textile, Taastrup

Signature:

Charlotte Fischer
Ph. Direct: +45 72 20 21 35
E-mail: charlotte.fischer@teknologisk.dk
Test responsible

Lea Larsen
Ph. Direct: +45 72 20 21 36
E-mail: lea.larsen@teknologisk.dk
Co-signatory

ilac-MRA DANAK TEST Reg.no. 2

Results, continued:

Testing 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 after 45 minutes	No	No	No
Vertical char length in inches	0,79 (20 mm)	0,79 (20 mm)	0,79 (20 mm)
Cigarette burned entire length	Yes	Yes	Yes
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 minutes test duration.
	b) A vertical char length of more than 1,8 inches (45 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.


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