

Test Report

Report Number:
162142-7-CTB



**DANISH
TECHNOLOGICAL
INSTITUTE**

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Init.: CHF/LELN
Order no.: 162142
Encl.: 2

Assignor: KVADRAT A/S, Lundbergsvej 10, DK-8400 Ebeltoft

Item: Sample of upholstery fabric designated: Tonus 4, colour 0130
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 27 October 2022.

Period: The test took place from 3 November 2022 to 8 November 2022.

Method: Technical Bulletin 117:2013, Requirements, Test Procedure and Apparatus for Testing the Smolder Resistance of Materials Used in Upholstered Furniture

Test results: The cover fabric under test **meets (PASSES)** the requirements to flammability specified in Technical Bulletin 117-2013, Section 1 from Bureau of Household Goods and Services, State of California, USA.
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

7 November 2022

DANISH TECHNOLOGICAL INSTITUTE



DANAK

TEST Reg.no. 2



Materials

Item: Sample of upholstery fabric designated: Tonus 4, colour 0130

Combination of upholstery materials tested:

Cover: Tonus 4, colour 0130

Fiber content: 90% new wool, 10% helanca

Approximate mass per area: 489 g/m²

Filling: Polyurethane foam specified in TB 117:2013 Annex B. Density: 28.0 - 29.6 kg/m³.

(Foam was provided by the test laboratory.)

Results

Test method: Technical Bulletin 117:2013. Section 1: cover fabric test.

Ignition source: Smoldering cigarette

Conditioning: 21±2 °C (70±5 °F) / < 55 % RH

Test result: The cover fabric under test **meets (PASSES)** the requirements in Technical Bulletin TB-117 Section 1 (see below).

	Test 1	Test 2	Test 3
Smoldering after 45 minutes	No	No	No
Vertical char length in inches	0.67 (17 mm)	0.75 (19 mm)	0.67 (17 mm)
Cigarette burned entire length	Yes	Yes	Yes
Occurrence of flames	No	No	No

Requirements: A material is considered to pass or fail based based on the following criteria according to Technical Bulletin 117-2013, Section 1, item 1.4:

1. A single mock-up test specimen fails to meet 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.
3. If more than one initial specimen fails, the cover fabric fails the test.
4. If any one of the three initial specimens 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.



Photos

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