



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

Kvadrat A/S
Attn.: Lone Henriksen
Lundbjergsvej 10
DK-8400 Ebeltoft

Report no. A630805-1
Page 1 of 2
Date 22 December 2014
Initials sbk/chf/ac

Test Report

Material: Combination of materials tested:

Cover: Sample of woven upholstery fabric, designated: Rime 151
Fibre composition: 90% New wool, 10% Nylon
Approximate mass per area unit: 420g/m²

Filling: Non flame-retardant polyurethane foam designated, E22120.
Approximate density: 22 kg/m³. The foam is delivered from the Institute.

Sampling: The cover material was submitted by the assignor and received on Danish Technological Institute 19 December 2014.

Method: Testing of ignitability according to the Cigarette Test specified in Part I of Schedule 4 of the Furniture and Furnishings (Fire)(Safety) Regulations 1988 (amended 1989/1993/2010), (Great Britain).

Ignition source: Smouldering cigarette

Details of the test are given on page 2.

Period: The testing was completed 22 December 2014.

Results: The upholstery fabric under test **meets (PASSES)** the requirements specified in Schedule 4, Part I of the Furniture and Furnishings (Fire)(Safety) Regulations 1988, amended 1989/1993/2010, (GB).

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.

22 December 2014, Danish Technological Institute, Textile

Charlotte Fischer

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

Signatory

Signe Beek

Signe Beek
Ph. Direct: +45 72 20 24 46
E-mail: sbk@teknologisk.dk

Counter-signatory

Material under test: Combination of materials tested:

Cover: Sample of woven upholstery fabric, designated: Rime 151
Fibre composition: 90% New wool, 10% Nylon
Approximate mass per area unit: 420g/m²

Filling: Non flame-retardant polyurethane foam designated, E22120.
Approximate density: 22 kg/m³. The foam is delivered from the Institute.

Conditioning at least 72 h in indoor ambient and at least 16 h before testing at following atmosphere: Temperature: (20±5) °C ; Humidity: (50±20) %RH

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.

The samples were tested in accordance to Schedule 4, Part I of the Furniture and Furnishings (Fire)(Safety) Regulations 1988 (amended 1989/1993/2010), (Great Britain).

Test method BS 5852:Part1:1979 – Fire test for Furniture:
Ignition source: Smouldering cigarette

Requirements: No observation of progressive flaming or smouldering within the 60 minutes of the placement of the cigarette.

Test results: **Non-ignition > PASSES**

Observations during test:	Source 0		Comments
	1	2	
The flaming ceased within	No flaming	No flaming	Both cigarettes were self-extinguished before they burnt there entire full length.
All smouldering ceased within	25	21	
Melting	No	No	
Dripping	No	No	
Charring	No	No	
Other phenomena	-	-	

Comments: Before testing the sample was not subjected to the water soaking and drying procedure as prescribed in Schedule 5, Part I of the Furniture and Furnishings (Fire)(Safety) Regulations 1988 (amended 1989/1993/2010), (Great Britain).

TEST Reg. No. 2

Report No. A630805-1
Annex 1

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Photo:





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Fax +45 72 20 20 19

info@teknologisk.dk
www.teknologisk.dk

Kvadrat A/S
Attn.: Lone Henriksen
Lundsbergsvej 10
DK-8400 Ebeltoft

Report no. A630805-2
Page 1 of 2
Date 22 December 2014
Initials sbk/chf/ac

Test Report

- Material:** Combination of materials tested:
Cover: Sample of woven upholstery fabric, designated: Rime 151
Fibre composition: 90% New wool, 10% Nylon
Approximate mass per area unit: 420g/m²
Filling: Non flame-retardant polyurethane foam designated, E22120.
Approximate density: 22 kg/m³.
The foam is delivered from the Institute.
- Sampling:** The cover material was submitted by the assignor and received on Danish Technological Institute 19 December 2014.
- Method:** Testing of ignitability according to the Match Test specified in Part I of Schedule 5 of the Furniture and Furnishings (Fire)(Safety) Regulations 1988 (amended 1989/1993/2010), (Great Britain).
Ignition source: Match flame equivalent.
Details of the test are given on page 2.
- Period:** The testing was completed 22 December 2014.
- Results:** The upholstery fabric under test **do meet** (PASSES) the requirements specified in Schedule 5, Part I of the Furniture and Furnishings (Fire)(Safety) Regulations 1988, amended 1989/1993/2010, (GB).
- 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.

22 December 2014, Danish Technological Institute, Textile

Charlotte Fischer

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

Signatory

Sigge Beck

Sigge Beck
Ph. Direct: +45 72 20 24 46
E-mail: sbk@teknologisk.dk

Counter-signatory

Material under test: Combination of materials tested:

Cover: Sample of woven upholstery fabric, designated: Rime 151
Fibre composition: 90% New wool, 10% Nylon
Approximate mass per area unit: 420g/m²

Filling: Non flame-retardant polyurethane foam designated: E22120.
Approximate density: 22 kg/m³.
The foam is delivered from the Institute

Conditioning at least 72 h in indoor ambient and at least 16 h before testing at following atmosphere: Temperature: (20±5) °C Humidity: (50±20) %RH

Test Method: BS 5852: Part 1:1979 using the specified filling of non-fire retardant polyurethane foam of density approx. 22 kg/m³, designated, E22120 and match flame equivalent (butane flame) ignition source 1 as specified in Schedule 5, Part I of the Furniture and Furnishings (Fire)(Safety) Regulations 1988 (amended 1989/1993/2010), (Great Britain).

Results, continued: The following 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.

Requirement: All progressive smouldering and flaming to cease within 120 seconds after removal of the ignition source. In the case of flaming or progressive smouldering of the upholstery, components record a failed result.

Test result: Non Ignition (PASSES)

In relation to progressive smouldering for ignition source 1, it has been clarified by the British Standards Institution Committee responsible for the development of BS 5852: Part 1:1979 (CCM/44) that it is necessary to observe test specimens for a period of 15 minutes from removal and the gas flame in order to determine whether or not the specimen is smouldering progressively.

Observations during test:	Source 1		Comments
	1	2	
The flaming ceased within	1 sec.	1 sec.	
All smouldering ceased within	1 sec.	1 sec.	
Melting	No	No	
Dripping	No	No	
Charring	Yes	Yes	
Other phenomena	-	-	

Comments: Before testing the sample was not subjected to the water soaking and drying procedure as prescribed in Schedule 5, Part I of the Furniture and Furnishings (Fire)(Safety) Regulations 1988 (amended 1989/1993/2010), (Great Britain).

TEST Reg. No. 2

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