



DANISH
TECHNOLOGICAL
INSTITUTE

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Test Report

Material: Combination of materials tested:

Cover: Sample of woven upholstery fabric, designated: Stripes by Maharam
Fibre composition: 92% new wool/ 8 nylon
Approximate mass per area unit: 250 g/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 2 April 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), (Great Britain).

Ignition source: Smouldering cigarette

Details of the test are given on page 2.

Period: The testing was completed 9 April 2014.

Results: The upholstery fabric under test **meets (PASSES)** the requirements specified in Schedule 4, Part I and Regulation 8 of the Furniture and Furnishings (Fire)(Safety) Regulations 1988, amended 1989/1993, (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.

10 April 2014, Danish Technological Institute, Textile

Signatory

Counter-signatory

Material under test: Combination of materials tested:

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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), (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
All smouldering ceased within	10 min.	23 min.	The cigarettes self extinguished before burning full length.
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), (Great Britain).

Photos:



The general conditions pertaining to assignments accepted by Danish Technological Institute shall apply in full to the technical testing and calibration at Danish Technological Institute and to the completion of test reports and calibration certificates within the relevant field.

Danish Accreditation (DANAK)

DANAK was established in 1991 in pursuance of the Danish Act No. 394 of 13 June 1990 on the promotion of Trade and Industry.

The requirements to be met by accredited laboratories are laid down in the "Danish Agency for Trade and Industry's ("Erhvervsfremme Styrelsens") Statutory Order on accreditation of laboratories to perform testing etc. and GLP inspection. The statutory order refers to other documents, where the criteria for accreditation are specified further.

The standards DS/EN ISO/IEC 17025 "General requirements for the competence of testing and calibration laboratories" and DS/EN 45002 "General criteria for the assessment of testing laboratories" describe fundamental criteria for accreditation. DANAK uses guidance documents to clarify the requirements in the standards, where this is considered to be necessary. These will mainly be drawn up by the "European co-operation of Accreditation (EA)" or the "International Laboratory Accreditation Co-operation (ILAC)" with the purpose of obtaining uniform criteria for accreditation. In addition, DANAK draws up Technical Regulations with specific requirements for accreditation that are not contained in the standards.

In order for a laboratory to be accredited it is, among other things, required:

- that the laboratory and its personnel are not subject to any commercial, financial or other pressures, which might influence their technical judgement

- that the laboratory operates a documented quality system
- that the laboratory has at its disposal all items of equipment, facilities and premises required for correct performance of the service that it is accredited to perform
- that the laboratory management and personnel have technical competence and practical experience in performing the service that they are accredited to perform
- that the laboratory has procedures for traceability and uncertainty calculations
- that accredited testing or calibration is performed in accordance with fully validated and documented methods
- that the laboratory keeps records, which contain sufficient information to permit repetition of the accredited test or calibration
- that the laboratory is subject to surveillance by DANAK on a regular basis
- that the laboratory shall take out an insurance, which covers liability in connection with the performance of accredited services

Reports carrying DANAK's logo are used, when reporting accredited services and show that these have been performed in accordance with the rules for accreditation.