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Report no. A561171-1  
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Date 28 June 2013  
Initials ldkr/jbh/ac

## Test Report

Material: Cutting of blue woven upholstery fabric, designated: Pro  
Composition: 100 % Trevira CS  
(Customers information).  
Approx. mass per unit area: 340 g/m<sup>2</sup>

Sampling: The material was submitted by the assignor and received on Danish Technological Institute 25 June 2013.

Method: Testing of flammability according to Federal Aviation Regulations, FAR § 25.853(a), appendix F, part I (a) (1) (ii). Vertical test: Bunsen burner flame is applied to specimen for 12 sec. (ignition time).

Details of the test are given on page 2.

Period: The testing was completed 28 June 2013

Results:

Test (ii) 12 sec.	Average After flame Time [sec.]	Average Drip Extinguishing Time [sec.]	Average burn length
Sample. Fabric length.	<b>3,3</b>	<b>0</b>	<b>106 mm (4,2inch)</b>
Sample, Fabric width.	<b>0,7</b>	<b>0</b>	<b>104 mm (4,1 inch)</b>
Requirements for passing:	<15	<5	203 mm (8 inch)

According to the requirements of flammability specified in FAR § 25.853(a), appendix F, part I (a) (1) (ii) the upholstered fabric **do meet** the requirements for passing.

Terms: The test was 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.

28 June 2013, Danish Technological Institute, Textile

Signatory

Counter-signatory

Material under test: Cutting of blue woven upholstery fabric, designated: Pro  
Composition: 100 % Trevira CS  
(Customers information).  
Approx. mass per unit area: 340 g/m<sup>2</sup>

Method: Testing of flammability according to federal aviation Regulations, FAR § 25.853(a), appendix F, part I (a) (1) (ii). Vertical test: Bunsen burner flame is applied to specimen for 12 sec. (ignition time).

Specimens were cut in each of the direction of the fabric length and width.

Conditioned for 24 hours at 22 °C and 50 % RH

Three specimens in each fabric directions were tested. The flame was applied for 12 sec. as specified for materials covered by paragraph (a) (1) (ii) of part 1 of appendix F.

Results, continued:

Test (ii) 12 sec.	After flame Time [sec.]	Drip Extinguishing Time [sec.]	Burn length
Length	0	0	107 mm (4,21 inch)
	10	0	119 mm (4,69 inch)
	0	0	92 mm (3,62 inch)
Average	<b>3,3</b>	<b>0</b>	<b>106 mm (4,2inch)</b>
Width	0	0	98 mm (3,86 inch)
	2	0	113 mm (4,45 inch)
	0	0	102 mm (4,02 inch)
Average	<b>0,7</b>	<b>0</b>	<b>104 mm (4,1 inch)</b>
Requirements for passing	<15	<5	810 mm (8 inch)

The upholstered fabric specimens **do meet** the requirements for passing.

**Photo**



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.