

Reg. No. 25



## DANISH **TECHNOLOGICAL**

INSTITUTE

Test Report No. A 237-1-6114-1-4A

Testing of Ignitability of Upholstery Composite

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info@teknologisk.dk www.teknologisk.dk

Client

Elmo-Calf AB

S-512 81 Svenljunga

Material Tested

Upholstery composite consisting of:

1) Upholstery leather as the enclosed sealed reference sample. Designation: VEGETA. Weight: Approx. 840 g/m<sup>2</sup>

2) Non-fire retardant polyurethane foam of density approx. 21 kg/m<sup>3</sup> and designated SS 22.

Sampling

The leather sample was submitted by the client and

received on 6 February 2001.

The polyurethane foam was supplied by the Institute.

Test Method

Testing of ignitability according to EN 1021-1:1993, Furniture – Assessment of the ignitability of upholstered furniture - Part 1: Ignition source: Smouldering cigarette. Details of the test are given on page 2 of this report.

**Testing Completed** 

16 February 2001

**Test Results** 

According to the criteria of ignition in EN 1021-1:1993, clause 3, the following test result was obtainded:

Non-ignition.

Frank Bakkegond

The test results relate only to the material tested.

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Beklædning øg Textil

Frank Bækkegaard

Counter-signatory

#### Test Report No. A 237-1-6114-1-4A

# Testing of Ignitability of Upholstery Composite

Material tested

Upholstery composite consisting of:

- 1) Upholstery leather designated VEGETA. Weight: Approx. 840 g/m<sup>2</sup>
- 2) Non-fire retardant polyurethane foam of density approx. 21 kg/m³ and designated SS 22.

Test Method

EN 1021-1:1993

Test Results

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.

Two tests were carried out.

Both cigarettes burned their full length. No further smouldering and smoking was observed.

The final inspection showed charring of the leather under the cigarettes but only superficious damage of the foam.

According to the criteria of ignition in EN 1021-1:1993, clause 3, the following test result is obtained:

Non – ignition



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Test Report No. A 237-1-6114-1-4B

Testing of Ignitability of Upholstery Composite

Gregersensvei P.O. Box 141 DK-2630 Taastrup Tel +45 72 20 20 00 Fax +45 72 20 20 19

info@teknologisk.dk www.teknologisk.dk

Client

Elmo-Calf AB

S-512 81 Svenljunga

Material Tested

Upholstery composite consisting of:

1) Upholstery leather as the enclosed sealed reference sample. Designation: VEGETA. Weight: Approx. 840 g/m<sup>2</sup>

2) Non-fire retardant polyurethane foam of density approx. 21 kg/m<sup>3</sup> and designated SS 22.

Sampling

The leather sample was submitted by the client and

received on 6 February 2001.

The polyurethane foam was supplied by the Institute.

Test Method

Testing of ignitability according to EN 1021-2:1993, Furniture – Assessment of the ignitability of upholstered furniture - Part 2: Ignition source: Match flame equivalent

Details of the test are given on page 2 of this report.

**Testing Completed** 

16 February 2001

Test Results

According to the criteria of ignition in EN 1021-2:1993,

clause 3, the following test result was obtainded:

Non-ignition.

Frank Bakhegond

The test results relate only to the material tested.

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Beklædning og Textil

Frank Bækkegaard

Counter-signatory

## Test Report No. A 237-1-6114-1-4B

## Testing of Ignitability of Upholstery Composite

Material tested

Upholstery composite consisting of:

- 1) Upholstery leather designated VEGETA. Weight: Approx. 840 g/m<sup>2</sup>
- 2) Non-fire retardant polyurethane foam of density approx. 21 kg/m<sup>3</sup> and designated SS 22.

Test Method

EN 1021-2:1993

**Test Results** 

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.

Two tests were carried out.

Flaming or smoking was not observed after removal of the burner tube.

The final inspection showed superficial charring of the leather but no damage of the foam.

According to the criteria of ignition in EN 1021-2:1993, clause 3, the following test result is obtained:

Non – ignition