

**Test Report No. A 350-0-4102-3A**

**Testing of Ignitability of Upholstery Composite**

Client	Elmo-Calf AB S-512 81 Svenljunga
Material Tested	Upholstery composite consisting of: 1) Upholstery leather as the enclosed sealed reference sample. Designation: Elmotique (aniline). Weight: Approx. 690 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 material was submitted by the client and received on 22 December 2000. 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	20 January 2000
Test Results	According to the criteria of ignition in EN 1021-1:1993, clause 3, the following test result was obtained:

Non-ignition.

*The test results relate only to the material tested.*

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**Beklædning og Textil**

  
Niels Schønberg  
Signatory

  
Henrik Eigtved  
Counter-signatory

## Test Report No. A 350-0-4102-3A

## Testing of Ignitability of Upholstery Composite

Material tested	Upholstery composite consisting of: 1) Upholstery designated Elmotique (aniline). Weight: Approx. 690 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 1021-1:1993												
Test Results	<p>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.</p> <p>Two tests were carried out.</p> <p>The cigarettes burnt their full length in 30 and 35 minutes, respectively. No further smouldering and smoking was observed.</p> <p>The final inspection showed that the leather was charred under the cigarettes and that the foam was damaged to the following maximum extent:</p> <table><thead><tr><th></th><th><u>length</u></th><th><u>width</u></th><th><u>depth</u></th></tr></thead><tbody><tr><td>Vertical foam</td><td>8 mm</td><td>0 mm</td><td>7 mm</td></tr><tr><td>Horizontal foam</td><td>11 mm</td><td>0 mm</td><td>8 mm</td></tr></tbody></table> <p>According to the criteria of ignition in EN 1021-1:1993, clause 3, the following test result is obtained:</p>		<u>length</u>	<u>width</u>	<u>depth</u>	Vertical foam	8 mm	0 mm	7 mm	Horizontal foam	11 mm	0 mm	8 mm
	<u>length</u>	<u>width</u>	<u>depth</u>										
Vertical foam	8 mm	0 mm	7 mm										
Horizontal foam	11 mm	0 mm	8 mm										

Non – ignition

**Test Report No. A 350-0-4102-3B**

**Testing of Ignitability of Upholstery Composite**

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Client Elmo-Calf AB  
S-512 81 Svenljunga

Material Tested Upholstery composite consisting of:  
1) Upholstery leather as the enclosed sealed reference sample. Designation: Elmotique (aniline).  
Weight: Approx. 690 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 material was submitted by the client and received on 22 December 2000. 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 1: Ignition source: Match flame equivalent  
Details of the test are given on page 2 of this report.

Testing Completed 20 January 2000


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

Non-ignition.

*The test results relate only to the material tested.*

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### **Beklædning og Textil**

  
Niels Schønberg  
Signatory

  
Henrik Eigtved  
Counter-signatory

**Test Report No. A 350-0-4102-3B**

**Testing of Ignitability of Upholstery Composite**

Material tested	<p>Upholstery composite consisting of:</p> <ol style="list-style-type: none"><li>1) Upholstery designated Elmotique (aniline). Weight: Approx. 690 g/m<sup>2</sup></li><li>2) Non-fire retardant polyurethane foam of density approx. 21 kg/m<sup>3</sup> and designated SS 22.</li></ol>
Test Method	EN 1021-2:1993
Test Results	<p>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.</p> <p>Two tests were carried out.</p> <p>Flaming or smoking was not observed after removal of the burner tube.</p> <p>The final inspection showed charring of the leather but only discolouration of the foam.</p> <p>According to the criteria of ignition in EN 1021-2:1993, clause 3, the following test result is obtained:</p>

Non – ignition