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Elmo Leather AB  
512 81 SVENLJUNGA

## **Burning rate according to SS-ISO 3795** (1 appendix)

### **Product**

Silver coloured cover material called "Elmotreasure". Semi-Aniline leather with nominal thickness 1.1 - 1.3 mm. Lightly pigmented finish, chrome-free tanned leather from Scandinavian cattle hide.

### **Manufacturer**

Cover material: Elmo Leather AB, Svenljunga, Sweden.

### **Purpose of test**

Basis for technical fire classification.

### **Sampling**

The sample was delivered by the client. It is not known to SP Fire Technology if the product received is representative of the mean production characteristics.

The sample was received on May 16, 2008 at SP Fire Technology.

### **Test procedure**

The numbers of tests were five, as specified in SS-ISO 3795.

### **Test results**

The test results are given in appendix 1.

The test results relate only to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

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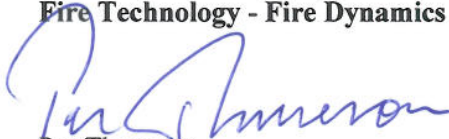
**Classification criteria**

According to Directive 95/28/EC, Appendix 1, section 7.2.1, the result of the test shall be considered satisfactory if, taking the worst test results into account, the horizontal burning rate is not more than 100 mm/minute or if the flame extinguishes before reaching the last measuring point.

**Assessment alternativ 1**

The tested samples, of the product called "Elmotreasure" meet the technical fire requirements according to Directive 95/28/EC, section 7.2.1, as they have a burning rate less than 100 mm/min.

**SP Technical Research Institute of Sweden**  
**Fire Technology - Fire Dynamics**



Per Thureson  
Technical Manager



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Technical Officer

**Appendix**

## 1 Test results

Appendix 1

**Test results - SS-ISO 3795, 1991**

**Tested product**

Silver coloured cover material called "Elmotreasure". Semi-Aniline leather with nominal thickness 1.1 - 1.3 mm. Lightly pigmented finish, chrome-free tanned leather from Scandinavian cattle hide.

**Observations made during fire test**

Test no	1	2	3	4	5
Sample dimension, mm					
Material direction	↑ →	↑ →	↑ →	↑ →	↑ →
length	355	355	355	355	355
width	100	100	100	100	100
thickness	1.3	1.3	1.3	1.3	1.3
Burnt distance, mm	0	0	0	0	0
Burning time, s	0	0	0	0	0
Burning rate, mm/min	0	0	0	0	0

**Note**

In all tests the flames died out before reaching the first measuring point.  
The material direction of the tested samples is not known.

**Measure data of test sample**

Thickness, cover 1.2 – 1.5 mm.  
Area weight, cover 610 - 710 g/m<sup>2</sup>.

**Conditioning**

Temperature 23 ± 2 °C.  
Relative humidity (50 ± 5) %.

**Test conditions**

The combustion chamber was placed in a fume cupboard according to standard.

**Date of test**

June 10, 2008.