



Testing. Advising. Assuring.

Test report

No. 2013-2032-1

issued 09.09.2013

Applicant: Elmo Sweden AB
Falkenberg sv.
512 81 Svenljunga
Schweden

Date of order: 23.08.2013
Date of sampling: *no official sampling of the specimen by a representative of Exova Warringtonfire, Frankfurt*
Date of arrival: 23.08.2013
Date of test: 09.09.2013

Order

Testing the burning behaviour of upholstery fabrics according to California technical bulletin 117 section E part 1.

Description / designation of the test object

Leather sample designated as "Coast"

Description of the relevant test procedure

California technical bulletin 117/2000
C.S. 191-53
ASTM D 1230

1. Description of the test material

1.1 Details of the customer:

Leather sample designated as "Coast"

Raw material:	European cattle
Hide size:	Approx 5,0 m ²
Type of Tanning:	Chrome tanning
Type of Dyeing:	Dyed through
Type of finish:	Pigmented
Thickness:	0,9 – 1,0 mm

Intended end use of product:	upholstery
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1.2 At the specimen preparation by Exova Warringtonfire, Frankfurt determined values:

Leather sample

Colour:	black
Thickness:	1,3 mm (average)
Weight:	861 g/m ² (average)

Testing after clima storage at 23°C and 50% humidity.

2. Test results

Test paper according to California technical bulletin 117 section E (C.S. 191-53 / ASTM D1230)

Specimen	Ignition time [s]	reaching mark (127 mm) yes / no	Total burn time [s]	reaching mark after [s]	Destroyed length [mm]
Warp: 1	1	no	0	-	0
2	1	no	0	-	0
3	1	no	0	-	0
4	1	no	0	-	0
5	1	no	0	-	0
average			0	-	0
Weft: 1	1	no	0	-	0
2	1	no	0	-	0
3	1	no	0	-	0
4	1	no	0	-	0
5	1	no	0	-	0
average			0	-	0
<u>Average limit for class 1</u>				≥4	

Remarks: No ignition; no difference between face and reverse side.

3. Assessment

The in chapter 1 described material fulfils the requirements of the California technical bulletin 117 section E part 1. (class 1 according to C.S. 191-53)

4. Special comment

The fire test result is valid only for in chapter 1 described material.

If combined with other materials (for example coatings, deposits) the burning behaviour could be influenced unfavourable so that the classification above is not valid any longer..
The burning behaviour in combination with other materials has to be tested separately.

This test report replace the report 2013-2032 issued 09.09.2013 (date of signature), which is invalid from now on.

Frankfurt, the 11.09.2013

Handwritten signature of H. Schmid in black ink.

i.v.
H. Schmid
(Tester in charge)

Handwritten signature of T. Zachäus in black ink.

Dipl.-Ing. T. Zachäus
Laboratory Supervisor

The results of the tests relate only to the behaviour of the test specimen which is designated on the top.
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This test report is a translation of the German version 2013-2032-1 (issued 11.09.2013). In case of doubt only the German version is valid
The test report contains 4 pages.