

Indicative Test report

No. 210443

issued 25.06.2021

Applicant: Elmo Sweden AB
512 81 Svenjunga

Date of order: 09.06.2021
Date of sampling: no official taking out of the specimen from a representative of the Warringtonfire Frankfurt GmbH
Date of arrival: 11.06.2021
Date of test: 18.06.2021

Order:

Testing the ignitability according to BS 5852 ignition source crib 5

Description / designation of the test object

Product name: Elmosoft

Description of the relevant test procedure

BS 5852 (2006)

1. Description of the material

1.1 Details of the customer:

Product name: Elmosoft

Face to be tested: Grain side. Marked as „grainside“

Product- / material description:

Main component: leather

Thickness: 1,1mm – 1,3mm

Surface weight: 800-900g/m²

Color: Brown; 33004

Intended area of application
of the product: Upholstery leather

1.2 At the specimen preparation in Warringtonfire Frankfurt GmbH determined values:

Material:	Leather
construction:	
<u>Cover fabric:</u>	leather
Color :	brown
Thickness:	1.1-1.3 mm
Weight:	890 g/m ²
<u>Filling:</u>	Foam RF 5560, Eurofoam
Color:	green
Thickness:	75 mm
Gross density:	56 kg/m ³
Test frame:	Model seat
Ignition source:	Crib 5 according to BS 5852

Testing after storage for 72 h at room temperature
and clima storing for 24h at 23°C and 50% rel. humidity.

2. Test results

**2.1 Test sheet according to BS 5852
Determination of the Flammability with crib 5**

Measurements and Observations	Test No.		1	2
Burning / melting through the cover material		[min:s]	2:05	2:00
Inflammation of the cover material		[min:s]	2:15	2:10
Inflammation of the Filling		[min:s]	3:20	3:10
Flame spread		yes/no	no	no
Burn-Out of the Filling		yes/no	no	no
Smouldering through the filling material		yes/no	no	no
Flame reaches the frame		yes/no	no	no
Smouldering > 100 mm		yes/no	no	no
Smouldering > 1 hour		yes/no	no	no
Burning > 10 minutes		yes/no	no	no
Unsafe escalating combustion		yes/no	no	no
Dropout of the burned parts		yes/no	no	no
Flames go out after		[min:s]	7:15	7:20
Samples extinguished after		[min:s]	-	-
Smoke production		[min:s]	8:40	8:40
Destroyed (length/width/depth) area	seat	[mm]	75/80/30	65/110/40
	back	[mm]	260/180/50	300/160/60

* = whole Thickness

Remarks: none

Result: no ignition

2.2 Appearance of the material before and after the tests:



3. Assessment for the on page 2 described material:

According to BS 5852 with ignition source crib 5 no ignition.

Special comment

The test result is only valid for the upholstery construction, described in chapter one, in the tested colour, surface weight and raw density.

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

Frankfurt, the 25.06.2021



H. Anders
Tester in Charge



P. Scheinkönig
Senior Test Engineer

The results of the tests relate only to the behaviour of the test specimen which is designated on the top.
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The test report contains 6 pages