

**NFPA 701-2004 Test Method 2 - Flame
Propagation of "Musion Eyeliner Flame Retardant Foil"**

A Report To: **Musion Systems Limited**
Wescott House
35 Portland Place
London W1B 1QF
UK

Telephone: +44 207 240 9300
Fax: +44 207 240 9350

Attention: Michael Abrahams

Submitted By: Fire Testing

Report No. 09-002-067(A)
2 pages + appendix

Date: January 28, 2009

ACCREDITATION Standards Council of Canada, Registration #1.**SPECIFICATIONS OF ORDER**

Determine flame resistance in accordance with Test Method 2 of NFPA 701, 2004 Edition, as per our Quotation No. 08-002-10484 accepted December 28, 2009.

IDENTIFICATION

Clear film identified as "Musion Eyeliner Flame Retardant Foil code GF 100 4600".

(Bodycote sample identification number 09-002-S0067)

TEST RESULTS**NFPA 701 - 2004 Test Method 2**

Standard Methods of Fire Tests for
Flame Propagation of Textiles and Films

Tested "as received" and in flat sheet configuration.

	Length of Char (mm)	Afterflame Time (s)	Flaming Dripping Time (s)
Trial 1:	204	0.0	0.0
2:	193	0.0	0.0
3:	212	0.0	0.0
4:	186	0.0	0.0
5:	209	0.0	0.0
6:	194	0.0	0.0
7:	215	0.0	0.0
8:	186	0.0	0.0
9:	191	0.0	0.0
10:	190	0.0	0.0
Maxima Specified by NFPA 701 Test Method 2:	435	2.0	2.0 (individual)

CONCLUSIONS

When tested "as received" and in flat sheet configuration, the material identified in this report meets the flame propagation requirements of Test Method 2 of NFPA 701, 2004 Edition.



Anne-Lise Larsen,
Fire Testing



Ian Smith,
Fire Testing

Note: This report consists of 2 pages, including the cover page, that comprise the report "body". It should be considered incomplete if all pages are not present. Additionally, the Appendix of this report comprises a cover page, plus 1 page.

Bodycote Testing Group

NFPA 701-2004 Test Method 2 - Flame Propagation of "Musion Eyeliner Flame Retardant Foil"

For: Musion Systems Limited

Report No. 09-002-067(A)

APPENDIX

(1 page)

Summary of Test Procedure

Bodycote Testing Group

NFPA 701 - 2004 Edition Standard Methods of Fire Tests for Flame Propagation of Textiles and Films

Test Method 2

For conducting flame tests of fabrics hung in folds, at least four specimens 610 mm by 1.20 m (24 x 47 in.) are required. Each specimen is folded longitudinally to form four folds. Those specimens that cannot be folded are tested in the flat configuration.

For conducting flame tests of fabrics in the flat configuration, Test Method 2 of NFPA 701 specifies at least ten specimens, 125 mm by 1.2 m (5 in x 47 in). The specimens are conditioned at 105°C (220°F) for 1 to 3 hours.

Each specimen is removed from the conditioning chamber individually, and immediately suspended in a steel stack, 305 mm (12 in.) square and 2.13 m (84 in.) high, the said stack being open both top and bottom and supported 305 mm above the floor. The lower edge of the specimen is positioned 100 mm (4 in.) above the tip of a gas burner which is inclined at 25° to the vertical. The burner, which has been adjusted to yield a flame 280 mm (11 in.) in height is ignited and inserted directly beneath the specimen for 2 minutes. Char length is measured from the tip of the flame, upwards.

Flame Resistance Requirements:

<u>Specimen Configuration</u>	<u>Maximum Char Length or Destroyed Material Length (mm)</u>	<u>Maximum Afterflame Time (s)</u>	<u>Duration of Flaming Drips on Floor of Tester (s)</u>
Folded	1050	2.0	2.0
Flat	435	2.0	2.0

