GAVMARK

96-D Allen Boulevard

Farmingdale, New York 11735-5626 USA

Tel. +1 (631) 293-8944 Fax +1 (631) 293-8956

e-mail: info@govmark.com

Received : 1/8/2009 Completed :01/12/2009

Test Report #: 2-76961-0

Key Test: NFPA 21 12 (2007) 8.4.10 250

Identification; Client's Plastic Melamine Buttons.

SKU-20-15-24-RS 109.

End Use: Clothing

Client Tested For: Emsig/US Button Corp.

328 Kennedy Drive

Putnam. CT 06260

TEST PERFORMED: NFPA 2112 (200"7)-

Standard on Flame-Resistant Garments for Protection of Industrial

Personnel Against Flash Fire

Section 8.4 - Heat & Thermal Shrinkage

Paragraph 8.4.10 Specific Requirements for Testing Hardware

BRIEF DESCRIPTION OF TEST: The hardware items are placed in an oven, stabilized at 500°F +10/-0°F.

After a period of 5 +0.15/-0 minutes, the oven door is opened and the specimens are observed to

determine any sign of melt, drip, separation or ignition. The specimens are then evaluated as to their

functionality within 10 minutes following removal from the oven.

RESULTS: Ignition Melting Dripping Separation 'Pest Item Is

Observed Observed Observed Observed Functional

Specimen # (yes/no) (yes/no) (yes/no) (yes/no) (yes/no)

1 NO NO NO NO YES

2 NO NO NO NO YES

3 NO NO NO NO YES

REMARKS: Buttons changed color; Weight (initial): 0.63 g; Weight (completion): 0.52 g

ACCEPTANCE CRITERIA: "Hardware Requirement" as cited by paragraph 7.3 -

Specimens of hardware used in the construction of flame-resistant garments,

including but not limited to buttons, fasteners, and closures, shall be

individually tested for heat resistance in their original form as specified in

Section 8.4 shall not melt and drip, separate, or ignite; and shall remain

functional.

CONCLUSION: Based on the above Results and Acceptance Criteria, the item tested:

(x) Complies   ( )Does not comply

CERTIFICATION: The above results were obtained after testing specimens in accordance with the

procedures and equipment specified by NFPA 2112, 2007 Edition, Section 8.4.10.

AUTHORIZED SIGNATURE

THE GOVMARK ORGANIZATION, INC. /jb(,r},