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**16 CFR 1610-97  
CONSUMER PRODUCT SAFETY COMMISSION  
FLAMMABILITY STANDARD FOR CLOTHING TEXTILES**

**TEST REPORT**

**Client:** HoverTech International  
**Address:** 513 S. Clewell Street  
Bethlehem, PA 18015

**Received Date:** June 26, 2008  
(This specimen was received in good condition.)

**Test Date:** July 18, 2008  
**Report Date:** July 30, 2008

**Project No:** 3156024SAT-001  
**Sample Identification:** Single Paient Use HoverMatt

**Description**

**Model ID:** HM34SPU; **Prototype or Production Type:** Production; **Fabric Type:** Non-woven polypropylene fiber and nylon fabric; **Fabric Color:** White; **Dimensions of Sample:** 34"w X 78"h

**Sample Conditioning:** Conditioned at 221°F for 30 min.; cooled in desiccator  
**Sample Preparation:** Tested as received. Samples cut from larger piece.  
(Not dry cleaned or washed by Intertek)

**Specimen Dimensions:** 2" x 6" x 0.01" (smooth surface)

**Environmental Conditions:** 74°F and 68% r.h.  
**This Test Witnessed by:** N/A

**SUMMARY OF TEST PROCEDURE**

Test specimens are mounted in a test frame positioned 45° from vertical and a standard ignition flame is applied to the upper (exposed) surface for 1 second. The specimen is tested on the surface and in the direction in which burning is most rapid. Five specimens are tested to obtain the time of flame spread. The *time of flame spread* of the specimen is taken as an average time for five specimens. To compute an average time of flame spread, at least two of five specimens must ignite and burn the stop cord. If only one of five specimens ignites, special provisions are given in 16 CFR 1610.32(B) to help determine the final result. According to 16 CFR 1610.35(a), textiles not customarily washed or dry-cleaned do not need to be dry cleaned or washed as prescribed in CFR 1610.4(d).

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**CLASSIFICATION CRITERIA**

Only 3 classifications can be achieved by performing this test. **1a.)** Textiles without nap, pile, tufting, flock or other type of raised-fiber surface that have a flame spread of more than 4 seconds shall be classified as *Class 1, normal flammability*. **1b.)** Napped, pile, tufted, flocked, or other textiles having a raised-fiber surface that have a flame spread of more than 7 seconds shall be classified as *Class 1, normal flammability*. **2.)** Napped, pile, tufted, flocked, or other textiles having a raised-fiber surface that have a flame spread between 4 and 7 seconds (both inclusive) and the base fabric ignites or fuses shall be classified as *Class 2, Intermediate flammability*. **3a.)** Textiles without nap, pile, tufting, flock or other type of raised-fiber surface that have a flame spread of less than 4 seconds shall be classified as *Class 3, rapid and intense burning*. **3b.)** Napped, pile, tufted, flocked, or other textiles having a raised-fiber surface that have a flame spread of less than 4 seconds and the intensity of flame is such that the base fabric ignites or fuses shall be classified as *Class 3, rapid and intense burning*.

**TEST RESULTS**

<b>SPECIMEN</b>	<b>FLAME SPREAD (sec)</b>
1	N.I.
2	N.I.
3	N.I.
4	N.I.
5	N.I.
6*	N.I.
7*	N.I.
8*	N.I.
9*	N.I.
10*	N.I.
<b>Average</b>	<b>N/A</b>

N.I. = No Ignition

\* (Re-test) According to 1610.4 (g)(7), If the time of flame spread is less than 4 seconds or if the specimens do not burn, 5 additional specimens are tested. The time of flame spread is then taken to be the average time for any of the 10 specimens that ignite and burn the stop cord.

According to 16 CFR 1610.32 (B)(2), If no specimen ignites and burns the stop cord, the specimen shall be regarded as class 1 (passing).

## CONCLUSION

### **Classification Achieved:** Class 1, normal flammability

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This report contains a total of three pages.

  
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Technician

July 30, 2008

Reviewed and approved:

  
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July 30, 2008