

TEST REPORT

Number : SHAT01302166

Applicant : Personal Safety Corporation
PO Box 128 Hiawatha, Iowa 52233
Attn : Karen/Grace

Date : Jan 04, 2010

Sample Description As Declared :

No. Of Sample : One Group
Fibre Content : -
Material : Secure Wedge Pommel Cushion W/ Safety Strap
Finishing : -
End Uses : Cushion
Colour : -
Style No. : SWPC-1
Order No./PO No. : -
Buyer's Name : -
Manufacturer's Name : -
Ref. : -

Date Received/Date Test Started : Dec 29, 2009

Conclusion:

Based Upon The Results Of The Flammability Test Reported, The Sample Submitted For Testing Meets The Performance Requirements Of California Technical Bulletin 117-2000 Section A, Part I For Testing Of Resilient Cellular Materials Used In Upholstered Furniture.

Based Upon The Results Of The Flammability Test Reported, The Sample Submitted For Testing Meets The Performance Requirements Of California Technical Bulletin 117-2000 Section D, Part II For Testing Of Resilient Cellular Materials Used In Upholstered Furniture.

Based Upon The Results Of The Flammability Test Reported, The Sample Submitted For Testing Meets The Performance Requirements Of California Technical Bulletin 117-2000 Section E, Part I For Testing Of Upholstery Fabrics.

Prepared And Checked By:
For Intertek Testing Services Ltd., Shanghai



Lilian Ding
General Manager



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Tests Conducted (As Requested By The Applicant)

- 1 Flammability Test (California Technical Bulletin No. 117-2000, Section A, Part I, Resilient Cellular Materials):

Test Method

The Apparatus And Methods Of Testing Were Those Described In California Technical Bulletin No. 117, SECTION A, Part I, For Testing The Flame Retardance Of Resilient Cellular Materials Used In Upholstered Furniture.

Requirement

- 1. The Average Char Length Of All Specimens Shall Not Exceed 6 inch.
- 2. The Maximum Char Length Of Any Individual Specimen Shall Not Exceed 8 inch.
- 3. The Average Afterflame Of All Specimens Shall Not Exceed 5 seconds.
- 4. The Maximum Afterflame Of Any Individual Specimen Shall Not Exceed 10 seconds.
- 5. The Average Afterglow Of All Specimens Shall Not Exceed 15 seconds.
- 6. Resilient Cellular Materials Shall Meet These Requirement When Tested Before And After Ageing.

(A)

Test Result :

Before Ageing

	<u>Char Length</u> (inch)	<u>After Flame</u>	<u>After Glow</u>
	2.7	NIL	NIL
	1.9	NIL	NIL
	2.3	NIL	NIL
	2.2	NIL	NIL
	2.5	NIL	NIL
	-----	-----	-----
Average :	2.3		

After Ageing*

	<u>Char Length</u> (inch)	<u>After Flame</u>	<u>After Glow</u>
	2.3	NIL	NIL
	2.2	NIL	NIL
	2.9	NIL	NIL
	3.1	NIL	NIL
	2.6	NIL	NIL
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Average :	2.6		

Remark : * Ageing Condition - Store sample in a forced air circulating oven at 220°F for 24 hours.



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Tests Conducted (As Requested By The Applicant)

- 2 Flammability Test (California Technical Bulletin No. 117-2000, Section D, Part II, Resilient Cellular Material - Smoldering Screening Test):

Test Method

The Apparatus And Methods Of Testing Were Those Described In California Technical Bulletin No. 117, SECTION D, Part II, For Testing The Weight Loss Of Resilient Cellular Materials Used In Upholstered Furniture.

Requirement

Weight Shall Be Greater Than 80% Of Non-Smoldered Residue In Any Of Three Samples.

(A)

Test Results :

<u>Non-Smoldered Residue</u>
(%)
99.5
99.0
98.7

- 3 Flammability Test (California Technical Bulletin No. 117-2000, Section E, Part I, Upholstery Fabrics):

The Apparatus And Methods Of Testing Were Those Described In U.S. Department Of Commercial Standard 191-53.

(B)

		<u>Original</u>		<u>Requirement</u>
<u>Face</u>	<u>Length</u>		<u>Width</u>	Class 1
	DNI		DNI	
	DNI		DNI	
	DNI		DNI	
	DNI		DNI	
	DNI		DNI	
<u>Back</u>	<u>Length</u>		<u>Width</u>	Class 1
	DNI		DNI	
	DNI		DNI	
	DNI		DNI	
	DNI		DNI	
	DNI		DNI	

Classification : Class 1 = Normal Flammability

Remark : DNI = Did not ignite.