



Tested For:	Michael Haltiwanger	Phone:	(803) 413-8418	Received:	9/12/2022
	BRN Sleep Products USA, LLC.	Fax:		Completed:	9/27/2022
	3771 Cameron Road	Mobile:		Code:	V1
	Orangeburg, SC 29115	PO#:		Test Report:	3-48967-1
	USA	Email:	michael.haltiwanger@brnbed.com		

Key Test: CFR 16 Part 1632 Mattress (Tuft)

330

Client's Identification:

Style: Go Sleep - Excellence. Identification #: INSBC. (see continuation)

Test Category: Cigarette Ignition Specifier: CPSC LE 2019; V7/21 DK PC: 48H SM/pm

TEST PERFORMED: CFR Title 16 Part 1632 - Standard for the Flammability of Mattresses and Mattress Pads (FF 4-72, Amended)

Ignition Source: SRM 1196a Cigarette

PRODUCT CATEGORY: Tufted Surface Mattress

TEST SELECTION: Prototype
 Production Quality Assurance
 Experimental

MATTRESS COMPOSITE CLIENT'S IDENTIFICATION (continuation):

Covering Material (Ticking): INSBC

Fire Blocking Layer (Interliner): INSBC

Filling Material(s): INSBC

Insulator Pad: INSBC

Core: Bonnell Coil

Additional Information: Zippered outer

ABBREVIATIONS WHICH MAY BE USED: INSBC = Information Not Supplied By Client

Conditioning Prior to Testing: In accordance with paragraph 1632.4 --

At least 48 hours at greater than 18°C (65°F) and less than 55% RH

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Ver. 2021-03-09 10:35

Page 1 of 3

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BRIEF DESCRIPTION OF TEST: A minimum of 18 lighted cigarettes are placed on the mattress surface. A line is drawn across the width of the mattress, dividing it into two equal sections. One of the sections is covered with a once laundered 100% cotton bed sheet. Nine lighted cigarettes are placed on the covered section. A second piece of cotton sheeting is then placed over this group of nine cigarettes to intensify the heat. The other section remains uncovered. Nine lighted cigarettes are placed on this uncovered section. In certain instances, cigarettes will self-extinguish. When this occurs, additional lighted cigarettes must be placed on the mattress. This will increase the ACTUAL number of cigarettes beyond the minimum total of 18. The test records the number of ignitions that occur at any cigarette placement location. If there is an obvious ignition, that placement location is extinguished and a "char length" measurement is not made. In certain instances, ignition is not obvious and there may be continuous burning beyond the cigarette. When this occurs, a char length measurement is made.

Remarks: None.

RESULTS:

SURFACE #1	Cigarette Placement Location	# of Cigarette Placements	# of Obvious Ignitions	# of Chars Measuring More than 2" Beyond Cigarette
Bare (without sheets)	Edge	3	0	0
	Tuft	3	0	0
	Smooth	3	0	0
Covered (with sheets)	Edge	3	0	0
	Tuft	3	0	0
	Smooth	3	0	0
Totals for Surface #1:		18	0	0

SURFACE #2	Cigarette Placement Location	# of Cigarette Placements	# of Obvious Ignitions	# of Chars Measuring More than 2" Beyond Cigarette
Bare (without sheets)	Edge	3	0	0
	Tuft	3	0	0
	Smooth	3	0	0
Covered (with sheets)	Edge	3	0	0
	Tuft	3	0	0
	Smooth	3	0	0
Totals for Surface #2:		18	0	0

Note: An asterisk (*) indicates that there was no edge to support a cigarette placement.

"PD" indicates that the char penetrated to a depth of more than 2" without obvious flaming ignition.

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Ver. 2021-03-09 10:35

Page 2 of 3

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Key Test: CFR 16 Part 1632 Mattress (Tuft)

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FAILURE CRITERIA: The mattress fails the test if any obvious ignition occurs or there is a char measurement of more than 2".

CONCLUSION: Based on the reported Results and the cited Failure Criteria, the item tested:

Passes; Fails

CERTIFICATION: I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified above.

DocuSigned by:

Theresa MacMillan

28F70AF28D7845C...

10/3/2022

Test Technician: Krista Meyers

AUTHORIZED SIGNATURE
SGS NORTH AMERICA
/jab /dv

DS
TM

Enclosure: Photos



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Page 3 of 3

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Test Report #: 3-48967-1-V1

SURFACE: 1

Date: 09/27/2022



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Test Report #: 3-48967-1-V1

SURFACE: 2

Date: 09/27/2022

