



Tested For: Michael Haltiwanger	Phone: (803) 413-8418	Received: 9/12/2022
BRN Sleep Products USA, LLC.	Fax:	Completed: 9/28/2022
3771 Cameron Road	Mobile:	Code: S2
Orangeburg, SC 29115	PO#:	Test Report: 3-48964-2
USA	Email: michael.haltiwanger@brnbed.com	

Key Test: CFR 16 Part 1632.6 Ticking

510

Client's Identification:

Style: Go Sleep - 8 inch. Product End Use: Mattress. Additional Information: Zippered.

LE 2019; V 7/21 DK

Code: "A"=510 "B/C"=590

PC: 48H

/rb

TEST PERFORMED: CFR Title 16 Part 1632 (previously FF 4-72) - Standard for the Flammability of Mattresses and Mattress Pads - Ticking Substitution Procedure, Part 1632.6

IGNITION SOURCE: SRM 1196a Cigarette

TICKING CATEGORY:

- Single Layer
 Multiple Layer

CONDITIONED PRIOR TO TEST: 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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"A" CLASSIFICATION PROCEDURE - Ticking over Untreated Cotton Felt

RESULTS:

	Cigarette Location #	Obvious Ignition of Cotton Felt (yes/no)	Char Length (inches)
Specimen #1:	1	No	0.4
	2	No	0.4
	3	No	0.4
Specimen #2:	1	No	0.5
	2	No	0.4
	3	No	0.4
Specimen #3:	1	No	0.4
	2	No	0.3
	3	No	0.3

REMARKS: None.

CRITERIA FOR "A" CLASSIFICATION: For each cigarette location --

The cotton felt shall not ignite and the char length shall not exceed 1.0"

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

- Receives an "A" Classification
 Does not receive an "A" Classification; therefore, proceed to the "B" or "C" Classification Test

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Key Test: CFR 16 Part 1632.6 Ticking

510

"B" or "C" CLASSIFICATION TEST PROCEDURE: Ticking over 0.25" Foam over Untreated Cotton Felt

This part of the test is only conducted if the ticking failed to receive an "A" Classification

RESULTS:

	Cigarette Location #	Obvious Ignition of Cotton Felt (yes/no)	Char Length (inches)
Specimen #1:	1		
	2		
	3		
Specimen #2:	1		
	2		
	3		
Specimen #3:	1		
	2		
	3		

REMARKS: None.

CRITERIA FOR "B" CLASSIFICATION: For each cigarette location --

The cotton felt shall not ignite and the char length shall not exceed 1.0"

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

- Receives a "B" Classification
 Fails to receive a "B" Classification; it is assigned a "C" Classification by default

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RESULTS EXPLAINED:

1. Furthest char length from any point of cigarette is measured and recorded in the "Char Length" column.
2. "PD" indicates that there was no obvious ignition and the surface char was less than 1.0"; however, once the ticking was removed, it was found that smoldering had penetrated to a depth of more than 1.0" into the cotton substrate, thereby exceeding the maximum char length permitted.

ABBREVIATIONS WHICH MAY BE USED:

NT = Not tested.
EC = Escalating combustion. Char length not recorded.

COMMENTARY: The cigarette ignition source (SRM 1196a) used in this test conforms to the physical parameters set forth in the test standard. The actual propensity of the cigarette (that is currently manufactured) to cause ignition of materials under test might be different than the cigarette that was manufactured at the inception of the test standard.

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: Branden Gallagher

AUTHORIZED SIGNATURE
SGS NORTH AMERICA
/jab /dv

DS
Tm

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