



Summary of Investigation

For

Foshan Ruixin Non Woven Co., Ltd

Hongxingcun Industrial Zone, Guanyao, Nanhai District, Foshan City, Guangdong
Subject: CPSC 16 CFR Part 1633 Flammability Tests on Mattresses
Reference: HT18-09863/ C60981844
2019-01-14

The following is a summary of the test results obtained on mattress set samples under C60981844. The testing was conducted on 2019-01-09.

The tests were conducted in accordance with the flammability test protocol outlined in Consumer Product Safety Commission 16 CFR Part 1633 - Standard for the Flammability (Open Flame) of Mattress Sets; Final Rule.

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For and on behalf of

UL VS Shanghai Limited Shenzhen Branch

Eric Wu
Engineering Manager - Hardlines Testing

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TEST METHOD:

The tests were conducted in general accordance with the flammability test protocol outlined in Consumer Product Safety Commission 16 CFR Part 1633 - Standard for the Flammability (Open Flame) of Mattress Sets; Final Rule, dated March 15, 2006.

An open calorimeter, Test Configuration A was used for this project. Under this test method, mattresses are exposed to an open flame ignition source. Test results include rate of heat release determinations.

CRITERIA:

Mattress set samples Fail to meet the requirements of CPSC 16 CFR Part 1633 if any of the following criteria are exceeded:

- 1) A maximum heat release rate of 200 kW during the thirty-minute test.
- 2) A total heat release of 15 MJ in the first 10 minutes of the test.

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RESULTS:

A summary of test results is tabulated below. Graphs of Heat Release Rate are attached. The test results relate only to the actual samples tested.

Test No.	Test Code	Sample ID	Peak Heat Release Rate, (kW)	Time to Peak Heat Release Rate, (min:sec)	Total Heat Released @ 1st 10 Min, (MJ)
1	01091903	Mattress Model No.: RSP-TP32 Prototype ID : RSP-TP32 (#1)	31.1	02:44	5.1
2	01091904	Mattress Model No.: RSP-TP32 Prototype ID : RSP-TP32 (#2)	31.5	03:02	5.5
3	01091905	Mattress Model No.: RSP-TP32 Prototype ID : RSP-TP32 (#3)	32.4	02:12	4.6

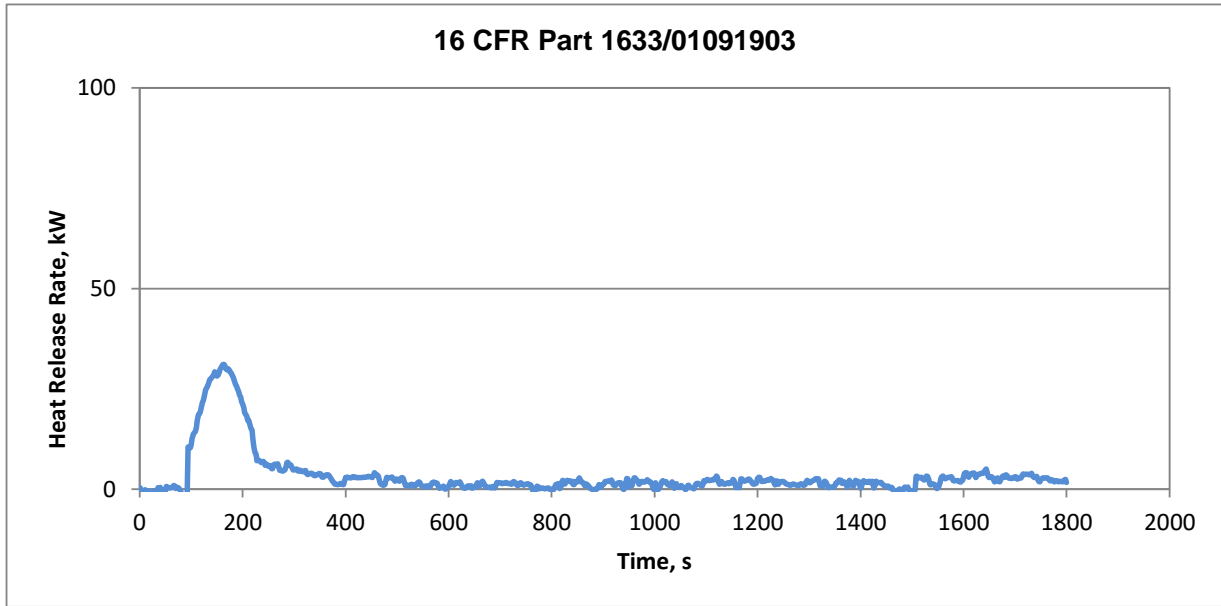
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Test No.	Test Code	Sample ID	Peak Heat Release Rate, (kW)	Time to Peak Heat Release Rate, (min:sec)	Total Heat Released @ 10 Min, (MJ)
1	01091903	Prototype ID : RSP-TP32 (#1)	31.1	02:44	5.1

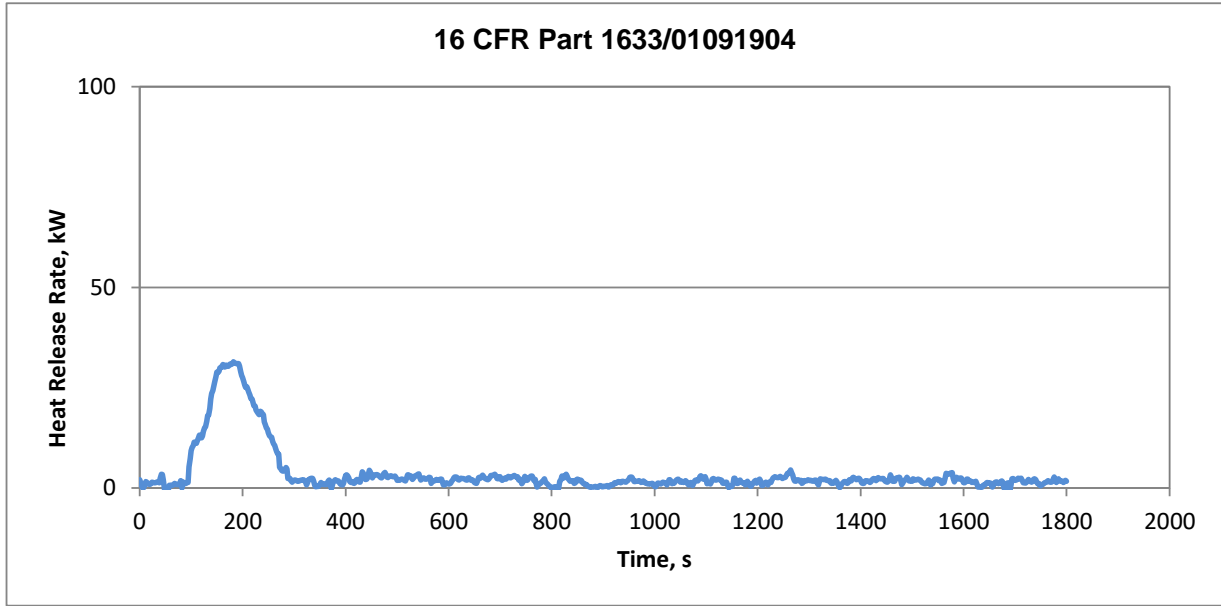
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Test No.	Test Code	Sample ID	Peak Heat Release Rate, (kW)	Time to Peak Heat Release Rate, (min:sec)	Total Heat Released @ 10 Min, (MJ)
2	01091904	Prototype ID : RSP-TP32 (#2)	31.5	03:02	5.5

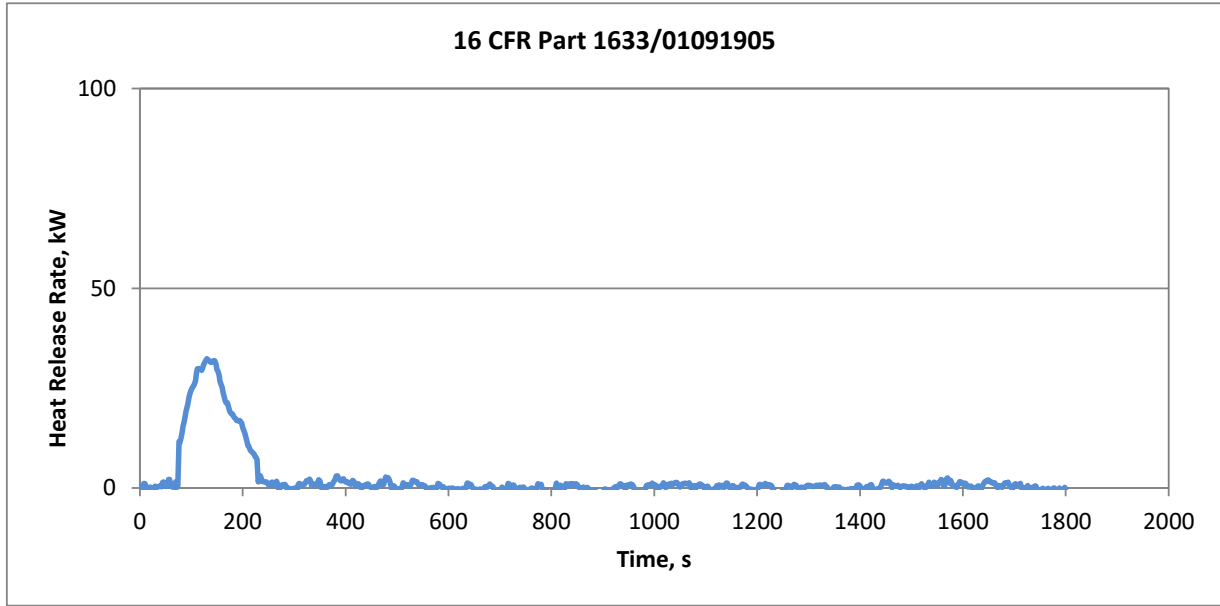
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Test No.	Test Code	Sample ID	Peak Heat Release Rate, (kW)	Time to Peak Heat Release Rate, (min:sec)	Total Heat Released @ 10 Min, (MJ)
3	01091905	Prototype ID : RSP-TP32 (#3)	32.4	02:12	4.6

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SZ-FAF-001 (2017-10-12)



PROTOTYPE TEST RECORDS

16 CFR Part 1633 - Standard for the Flammability (Open Flame) of Mattress Sets

Date: 2019-01-14

Prototype ID: RSP-TP32

CLIENT INFORMATION:

Foshan Ruixin Non Woven Co., Ltd
Hongxingcun Industrial Zone, Guanyao, Nanhai District, Foshan City, Guandong

TYPE OF TEST ROOM

Configuration A - Open Calorimeter

Table with 3 columns: Test 1 (RSP-TP32 (#1)), Test 2 (RSP-TP32 (#2)), Test 3 (RSP-TP32 (#3)). Rows include Room Conditions, Time Out of Conditioning Room, Test Start Time, Total Heat Release, Peak Heat Release Rate, and Date.

To complete test record requirements under paragraph 1633.11(a) for qualified prototypes, the information contained herein must be accompanied by:

- (1) a graphic depiction of the peak rate of heat release and the total heat release over time; and
(2) a video or photographs of the testing of the mattress set.

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Date: 2018-06-13

Prototype ID: SK-1501

CLIENT INFORMATION:

Foshan Ruixin Non Woven Co., Ltd
Hongxingcun Industrial Zone, Guanyao, Nanhai District, Foshan City, Guandong

PRODUCT PHOTO:



***** End of Report *****

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2. Retailer Programs. If you request us to test compliance with retailer, carrier or other third party program ("Retailer") by requesting Services under the Retailer's program, you consent to our disclosure of all associated information, materials, and deliverables to such Retailer and acknowledge that, notwithstanding any terms to the contrary in these Services Terms, the ownership of the deliverables for the Services will be in accordance with the Retailer's program.
3. Payment Terms. You will pay, without set off, our fees and related expenses in accordance with the Quotation including the cost of all taxes, wire or transfer fees, duties, and other fiscal charges which become due on the quoted price and will indemnify us from and against liabilities, incurred as a result of failure to pay any such sums when they become due.

- 4. Your Requirements. You are responsible for establishing or selecting all Your Requirements that we will use in performing the Services.
5. Estimated Schedule and Price. Any time schedule and pricing terms set forth in this Quotation are estimates only and subject to change upon reasonable notice from us depending upon the specific project.
6. On-Site Investigations. If we perform Services on site at your facilities, or at the facilities of other parties as directed by you, we will ensure that our representatives have safe, secure, and free access to the facilities.
7. Deliverables. We will provide you with a report outlining: (i) your instructions and request for Services accepted by us, (ii) Your Requirements used in providing the Services, (iii) the Services performed, and (iv) the results of those Services.
8. Our Findings. We do not guarantee that our opinions or findings will be recognized or accepted by third parties.

- 9. Use of Names and Marks. Except as otherwise authorized by us in writing, you will not use our name, abbreviation, symbols, marks, or the name of any of our subsidiaries, affiliates, or parent on any goods or their containers or packaging, or in connection with any advertising, promotions, or otherwise.
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11. No Warranty. NO REPRESENTATION, WARRANTY, OR GUARANTEE, EXPRESS OR IMPLIED, IS INCLUDED IN THESE TERMS AND CONDITIONS, OR IN ANY QUOTATION, REPORT, OR OTHER DOCUMENT PROVIDED UNDER THESE TERMS AND CONDITIONS INCLUDING, BUT NOT LIMITED TO: (i) ANY LEAD OR CONTAMINATION, OR LIABILITY, OR TO SUCH CLAIMS UNDER NO CIRCUMSTANCE WILL WE HAVE ANY LIABILITY FOR INDIRECT, CONSEQUENTIAL, INCIDENTAL, SPECIAL, EXEMPLARY, OR PUNITIVE DAMAGES.

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14. Web Services. We may provide you with certain website tools and related services, including the ability to order services online through a create page (collectively, the "Web Services").

- 15. Confidentiality. We will not disclose your information obtained in confidence ("Confidential Information") to third parties, except our subsidiaries, affiliates, or subcontractors, without your prior written authorization.
16. Samples. If we require sample examination, you will ship samples to us at your expense. Upon completion of testing, the samples will be destroyed, unless other arrangements are made for return of the samples at your expense.
17. LIMITATION OF LIABILITY. OUR LIABILITY FOR ANY CLAIMS FOR LOSS, DAMAGE, OR EXPENSE OF ANY NATURE AND HOWSOEVER ARISING FOR ANY BREACH OF CONTRACT AND/OR ANY FAILURE TO EXERCISE APPROPRIATE SKILL AND CARE BY US WILL UNDER NO CIRCUMSTANCES EXCEED THE FEES RECEIVED FOR THE SPECIFIC SERVICES WHICH GIVE RISE TO SUCH CLAIMS.

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- 21. No Assignment. Neither party may assign any of its rights or obligations under these Terms and Conditions to any other person without the other party's written authorization.
22. Termination and Notice. These Terms and Conditions will continue in effect until terminated by either party upon thirty days written notice and or, in the event of your breach of these Terms and Conditions, immediately upon receipt of written notice to you.
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25. Arbitration. The arbitration panel will be composed of three (3) arbitrators. The arbitration panel will be selected as follows: the parties will request a list of ten (10) arbitrators drawn from the AAA's panel of commercial arbitrators who are experienced in and familiar with the AAA's Procedures for Large, Complex Commercial Disputes.
26. Severability. If any section of these Terms and Conditions is held invalid, void, or unenforceable for any reason that section will be severed, and all other sections of these Terms and Conditions will remain valid to the extent permissible under law.

- 27. Modifications. These Terms and Conditions are the entire and complete agreement between the parties and supersede any other communications, representations, or agreements with respect to its subject matter.
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- 31. Force Majeure. Neither party will be liable for any failure or delay in the performance of its obligations due to fire, flood, earthquake, elements of nature, or acts of God, acts of war, terrorism, riots, civil disorder, rebellions, or other similar cause beyond the reasonable control of the party affected, provided such default or delay: (i) could not have been prevented by reasonable precautions; (ii) cannot reasonably be circumvented; (iii) and the party hindered or delayed immediately notifies the other party describing the circumstance causing delay.
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