

## Test Report

No. SDHGR120400691FM

Date: Apr.25, 2012

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FOSHAN RUIXIN NON WOVEN CO., LTD  
RAYSON INDUSTRIAL ZONE, HONGXING VILLAGE, GUANYAO, NANHAI DISTRICT, FOSHAN CITY,  
GUANGDONG, CHINA

The following sample(s) was / were submitted and identified on behalf of the client as:

Sample Description : RAYSON MATTRESS  
Prototype ID : RAYSON660089  
Model Name : RAYSON MATTRESS  
Insulation : FIRE RESISTANT FIBERS  
Foam padding : FOAM  
Overall Size : 54"X80"  
Construction Type : SPRING MATTRESS  
Barrier/ Interliner : FIRE RESISTANT FIBERS  
Mattress Ticking : FABRIC  
Sample Receiving Date : Apr.12, 2012  
Test Performing Date : Apr.12, 2012 to Apr.25, 2012  
Test Required : In accordance with 16 CFR 1632—Standard for the Flammability of Mattresses and Mattress Pads to Combustion Which May Result from A Smoldering Cigarette.  
Test Result(s) : For further details, please refer to the following page(s)  
Comments / Conclusion : **PASS:** After test, the submitted samples met the requirements of Federal standard 16 CFR 1632.

Signed for and on behalf of  
SGS-CSTC Co., Ltd.

Jack Yao  
Approved signatory

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## Test Procedure

### Test Results:

#### Flammability of Mattress

16 CFR Part 1632.4 (FF4-72, Amended)

Test Conditions: (74±3)°F/ 50% RH

Surface 1	Number of Cigarettes												No. of Relights
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>	
<b>Bare</b>													
Smooth	P	P	P	P	-	-	-	-	-	-	-	-	0
Quilted	-	-	-	-	-	-	-	-	-	-	-	-	-
Tufted Area	-	-	-	-	-	-	-	-	-	-	-	-	-
Tape Edge	-	-	-	-	P	P	P	P	P	-	-	-	0
<b>Sheeted</b>													
Smooth	P	P	P	P	-	-	-	-	-	-	-	-	0
Quilted	-	-	-	-	-	-	-	-	-	-	-	-	-
Tufted Area	-	-	-	-	-	-	-	-	-	-	-	-	-
Tape Edge	-	-	-	-	P	P	P	P	P	-	-	-	0

Surface 2	Number of Cigarettes												No. of Relights
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>	
<b>Bare</b>													
Smooth	P	P	P	P	-	-	-	-	-	-	-	-	0
Quilted	-	-	-	-	-	-	-	-	-	-	-	-	-
Tufted Area	-	-	-	-	-	-	-	-	-	-	-	-	-
Tape Edge	-	-	-	-	P	P	P	P	P	-	-	-	0
<b>Sheeted</b>													
Smooth	P	P	P	P	-	-	-	-	-	-	-	-	0
Quilted	-	-	-	-	-	-	-	-	-	-	-	-	-
Tufted Area	-	-	-	-	-	-	-	-	-	-	-	-	-
Tape Edge	-	-	-	-	P	P	P	P	P	-	-	-	0

Surface 3	Number of Cigarettes												No. of Relights
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>	
<b>Bare</b>													
Smooth	P	P	P	P	-	-	-	-	-	-	-	-	0
Quilted	-	-	-	-	-	-	-	-	-	-	-	-	-
Tufted Area	-	-	-	-	-	-	-	-	-	-	-	-	-
Tape Edge	-	-	-	-	P	P	P	P	P	-	-	-	0
<b>Sheeted</b>													
Smooth	P	P	P	P	-	-	-	-	-	-	-	-	0
Quilted	-	-	-	-	-	-	-	-	-	-	-	-	-
Tufted Area	-	-	-	-	-	-	-	-	-	-	-	-	-
Tape Edge	-	-	-	-	P	P	P	P	P	-	-	-	0

To be continued....

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Surface 4	Number of Cigarettes												No. of Relights
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>	
<b>Bare</b>													
Smooth	P	P	P	P	-	-	-	-	-	-	-	-	0
Quilted	-	-	-	-	-	-	-	-	-	-	-	-	-
Tufted Area	-	-	-	-	-	-	-	-	-	-	-	-	-
Tape Edge	-	-	-	-	P	P	P	P	P	-	-	-	0
<b>Sheeted</b>													
Smooth	P	P	P	P	-	-	-	-	-	-	-	-	0
Quilted	-	-	-	-	-	-	-	-	-	-	-	-	-
Tufted Area	-	-	-	-	-	-	-	-	-	-	-	-	-
Tape Edge	-	-	-	-	P	P	P	P	P	-	-	-	0

Surface 5	Number of Cigarettes												No. of Relights
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>	
<b>Bare</b>													
Smooth	P	P	P	P	-	-	-	-	-	-	-	-	0
Quilted	-	-	-	-	-	-	-	-	-	-	-	-	-
Tufted Area	-	-	-	-	-	-	-	-	-	-	-	-	-
Tape Edge	-	-	-	-	P	P	P	P	P	-	-	-	0
<b>Sheeted</b>													
Smooth	P	P	P	P	-	-	-	-	-	-	-	-	0
Quilted	-	-	-	-	-	-	-	-	-	-	-	-	-
Tufted Area	-	-	-	-	-	-	-	-	-	-	-	-	-
Tape Edge	-	-	-	-	P	P	P	P	P	-	-	-	0

Surface 6	Number of Cigarettes												No. of Relights
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>	
<b>Bare</b>													
Smooth	P	P	P	P	-	-	-	-	-	-	-	-	0
Quilted	-	-	-	-	-	-	-	-	-	-	-	-	-
Tufted Area	-	-	-	-	-	-	-	-	-	-	-	-	-
Tape Edge	-	-	-	-	P	P	P	P	P	-	-	-	0
<b>Sheeted</b>													
Smooth	P	P	P	P	-	-	-	-	-	-	-	-	0
Quilted	-	-	-	-	-	-	-	-	-	-	-	-	-
Tufted Area	-	-	-	-	-	-	-	-	-	-	-	-	-
Tape Edge	-	-	-	-	P	P	P	P	P	-	-	-	0

**Requirements:** The char length shall not exceed 2 inches in any direction from the nearest point of the cigarette.

Code Description:	
P:	Pass, Cigarette burned to full length
R:	Pass, Cigarette self-extinguished, replaced with a fresh cigarette which burned to full length or self-extinguished.
F:	Failure













Note: All test methods and standards performed in the report are per the most current published version available.

To be continued....

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Photo Appendix:

		
Sample 1 Before Test	Sample 2 Before Test	Sample 3 Before Test
		
Sample 1 After Test	Sample 2 After Test	Sample 3 After Test
		
Sample 4 Before Test	Sample 5 Before Test	Sample 6 Before Test
		
Sample 4 After Test	Sample 5 After Test	Sample 6 After Test

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

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