



Test Report

Date :2018-08-29

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No. : DT18080387

Applicant (08310801) : FOSHAN RUIXIN NON WOVEN CO.,LTD
Hongxingcun Industrial Zone,Guanyao,Nanhai District,Foshan
City,Guangdong,P.R.China

Description of Sample(s) : One(1) style of submitted sample(s) said to be :
Mattress

Date sample(s) Received : 2018-08-21

Date Tested : 2018-08-21 to 2018-08-29

Conclusions : The submitted sample(s) **did not ignite** when tested with ignition source smouldering cigarette of BS EN 597-1: 2015 & ignition source 1 of BS EN 597-2: 2015.The submitted sample(s) meet the BS EN 597-1: 2015 & BS EN 597-2: 2015 standard .



Zhang Ke Yuan, Kent
Authorized Signatory

STC (Dongguan) Company Limited

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TEST RESULT(S):

furniture-assessment of the ignitability of mattresses and upholstered bed buses

Ref. BS EN 597-1:2015

Sample : Mattress (white+brown)
Ignition Source : Smouldering cigarette (BS EN 597-1:2015)
Condition of test specimen : A minimum of 16 hours at 23 ± 2°C and 50 ± 5% R.H.
Test Condition : Temperature: 25°C, Relative humidity: 64%

The following results related only to the ignitability of the combination of materials under the particular conditions of test; they are not intended as a mean of assessing the full potential fire hazard of the mattress, mattress pad or upholstered bed base in use.

Test Result:

Smouldering cigarette: Non-ignited (Pass). Summary table shown as following.

Criteria of ignition

Progressive smouldering ignition

	<u>1st test</u>	<u>2nd test</u>	<u>3rd test</u>
a) any test specimen that displays escalating combustion behaviour so that it is unsafe to continue the test and active extinction is necessary;	N.O.	N.O.	N.A.
b) any test specimen that smoulders until it is essential consumed within the test duration;	N.O.	N.O.	N.A.
c) any test specimen that smoulders to its full thickness, within the duration of the test;	N.O.	N.O.	N.A.
d) any test specimen that smoulders for more than one hour.	N.O.	N.O.	N.A.
e) any test specimen that, on final examination, shows evidence of charring other than discolouration more than 50 mm in any horizontal direction from the nearest point of the original position of the source.	N.O.	N.O.	N.A.

Progressive smouldering ignition

	<u>1st test</u>	<u>2nd test</u>	<u>3rd test</u>
a) A flaming ignition is considered to be the occurrence of any flames initiated by a progressive smouldering source.	N.O.	N.O.	N.A.

Remark : 1) N.O. denotes Not Observed
2) O. denotes Observed
3) N.A. denotes Not Applicable
4) If one of the cigarettes on 1st test and 2nd test fail to smoulder its complete length, 3rd test will be conducted

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TEST RESULT(S):

Furniture – Assessment of mattresses and upholstered bed bases

Part 2: Ignition source – match flame equivalent.

Ref. BS EN 597-2:2015

Sample : Mattress (white+brown)
 Ignition Source : Match flame equivalent (BS EN 597-2:2015)
 Condition of test specimen : A minimum of 16 hours at 23 ± 2°C and 50 ± 5% R.H.
 Test Condition : Temperature: 25°C, Relative humidity: 64%

The following results related only to the ignitability of the combination of materials under the particular conditions of test; they are not intended as a mean of assessing the full potential fire hazard of the mattress, mattress pad or upholstered bed base in use.

Test Result:

Match flame equivalent: Non-ignite (Pass). Summary table shown as following.

Criteria of ignition

Progressive smouldering ignition

	<u>1st test</u>	<u>2nd test</u>
a) any test specimen that displays escalating combustion behaviour so that it is unsafe to continue the test and active extinction is necessary ;	N.O.	N.O.
b) any test specimen that smoulders until it is essentially consumed within the test duration ;	N.O.	N.O.
c) any test specimen that smoulders to its full thickness, within the duration of the test;	N.O.	N.O.
d) any test specimen that smoulders for more than one hour;	N.O.	N.O.
e) any test specimen that , on final examination , shows evidence of charring other than discolouration more than 50 mm in any horizontal direction from the nearest point of the original position of the source.	N.O.	N.O.

Flaming ignition

	<u>1st test</u>	<u>2nd test</u>
a) any test specimen that displays escalating combustion behaviour so that it is unsafe to continue the test and active extinction is required ;	N.O.	N.O.
b) any test specimen that burns until it is essentially consumed within the test duration ;	N.O.	N.O.
c) any test specimen on which any flame front reaches its extremities or passes though its full thickness within the duration of the test;	N.O.	N.O.
d) any flaming that continues to more than 120 s after removal of the burner tube.	N.O.	N.O.

Remark: N.O. denotes: Not observed

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

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Appendix for Photos of the Submitted Sample(s)



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