

Test Report No. AJFS1806005660FF Date: JUN.13, 2018 Page 1 of 4

NINGBO MATTHEW SYNTHETIC LEATHER CO., LTD

613, JINDU INT'L, NO. 345, (SOUTH) HUANCHENG ROAD WEST, NINGBO

The following sample(s) was / were submitted and identified on behalf of the client as: Sample Description: CPU/KAIMAN Color: BLACK Thickness: 1.0mm Composition: PU/PE/LEATHER Country of Destination: EUROPE/USA End Use Application: FURNITURE/UPHOLSTERY

Test Requested:

Flammability in comparison with the requirements of:

BS 5852:2006 Methods of test for assessment of the ignitability of upholstered seating by smouldering and flaming ignition sources, clause 11, Methods of test for the ignitability of upholstery composites, Ignition source: 5

Comments of the results:

According to the test results, the ignitability performance of the tested sample as following: "BS 5852:2006, Clause 11, NI/5"

Test Period:

Sample Receiving Date : JUN.08, 2018 **Test Performing Date**

: JUN.08, 2018 TO JUN.13, 2018

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

Allen Zou **Technical Manager**



No. 301, Sunlight Road, 2 Block, Sunlight Industry Zone, Anji County, Zhejiang Province, China 313300 t (86-572) 5018825 f (86-572) 5018829 www.sgsgroup.com.cn 中国·浙江·安吉县阳光工业园二区阳光大道301号 邮编:313300 t (86-572) 5018825 f (86-572) 5018829 e sgs.china@sgs.com



Test Report No. AJFS1806005660FF Date: JUN.13, 2018 Page 2 of 4

Test conducted: BS 5852:2006 Methods of test for assessment of the ignitability of upholstered seating by

smouldering and flaming ignition sources, clause 11, Methods of test for the ignitability of upholstery composites

Ignition source: 5

Sample Details

Sample description	PU + Foam
Color	Black + Grey
Foam density	About 29.5 kg/m ³
Fabric Weight	About 469 g/m ²

Conditioning

Prior to testing: The sample was conditioned at least 72 h in indoor ambient conditions and 24 h in an

atmosphere having a temperature of 23±2 °C and a relative humidity of 50±5%.

At time of testing: Temperature between 15° C ~ 30° C and Relative humidity between 15° ~ 80° C

Test Results

Statements: The following test results relate only to the ignitability of the sample or combination of

materials under the particular condition of test. They are not intended as a means of assessing the full potential fire hazard of the materials or products in use.

Clause 4.1.1 Progressive smouldering ignition for upholstery composites		Test result	
For the purposes of testing the ignitability of upholstery composites, all the following types of behaviour shall be deemed to be progressive smouldering ignition		2 nd	
4.1.1 a) Any test specimen that displays escalating smouldering combustion behavious so that it is unsafe to continue the test and forcible extinction is required;		NO	
4.1.1 c) Any test specimen that smoulders until it is essentially consumed or that smoulders to the extremities of the specimen, i.e. to/through the full thickness of the specimen, within the duration of the test;		NO	
4.1.1 e) Any test specimen that produces externally detectable amounts of smoke, heat or glowing 60 min after ignition of the crib;		NO	
4.1.1 f) On final examination (clause 13) show evidence of charring within the filling more than 100mm in any direction, apart from upwards, from the nearest part of the original position of the source;	NO	NO	

To be continued...



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overlead, available on requestor accessible at <u>http://www.sg.com/en/itmms.and/Conditions.app</u> and, for electronic format documents, the information of the initiation of liability indemnification and <u>unscience</u> and therein. Any holder of this documents advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exconerate parties to advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exconerate parties to atransaction from exercising all their rights and obligations under the transaction document. This document to be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing / impaction report & certificate, please contact us at telephone;(86-755) 8307

 No. 301, Sunlight Road, 2 Block, Sunlight Industry Zone, Anji County, Zhejiang Province, China 313300
 t (約-572) 5018825 f (約-572) 5018829
 www.sgsgroup.com.cn

 中国・浙江・安吉县阳光工业国二区阳光大道301号
 邮编:313300
 t (約-572) 5018825 f (約-572) 5018829
 e sgs.china@sgs.com



Test Report

No. AJ	FS1806	6005660FF	
--------	--------	-----------	--

Date: JUN.13, 2018

Page 3 of 4

Clause 4.2.1 Flaming ignition for upholstery composites		Test result	
For the purposes of testing the ignitability of upholstery composites, all the following types of behaviour shall be deemed to be flaming ignition:		2 nd	
4.2.1 a) Any test specimen that displays escalating flaming combustion behaviour so that it is unsafe to continue the test and forcible extinction is required;		NO	
4.2.1 b) Any test specimen that burns until it is essentially consumed within the test duration;		NO	
4.2.1 c) Any test specimen on which any flame front reaches the extremities of the specimen other than the top of the vertical part of the test specimen, or passes through the full thickness of the specimen within the duration of the test;		NO	
4.2.1 e) Any test specimen that continues to flame for more than 10 min after ignition of the crib;		NO	
4.2.1 g) Any test specimen from which flaming debris causes an isolated floor fire that continues to flame for longer than the time given above;		NO	
Clause 13 Final examination as cases of progressive smouldering undetected from the outside			

have been reported, immediately after completion of the test programme on the test specimen, dismantle and examine the test specimen for progressive smouldering, if this is present, extinguish the test specimen and record that ignition has occurred for the relevant ignition source, For safety reasons ensure that all smouldering has ceased before the test assembly is left unattended.

Test Details:

Specimen No.		1 st	2 nd
Progressive smouldering (PS) or Flaming (F)		NO	NO
Duration of	Ignition source (min, sec)	2min14s	2min22s
	Flames (min, sec)	5min09s	5min27s
	Smoke (min, sec)	7min28s	7min41s
Extent of damage of horizontal component	Foam - Width (mm)	168	166
	Foam - Length (mm)	107	104
	Foam - Depth (mm)	52	60
Extent of damage of vertical component	Foam - Width (mm)	163	166
	Foam - Depth (mm)	73	72
Finial examination of progressive smouldering (13)		NO	NO
Overall result		NI	NI

To be continued...



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgc.com/en/Terms-and-Conditions appx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgc.com/en/Terms-and-Conditions/Terms-Document.aspx. Attention is drawn to the limitation of liability, Indemnification and jurisdiction issues defined therein. Any holder of this document advised that information contained hereon reflects the Company 5 Indings at the tilme of its intervention only and within the limits of Client's instructions, If any. The Company's sole responsibility is to its Client and this document does not exonerate parties to transaction from exarcising all their nghis and obligations under the transaction documents. This document to be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or results shown in this test report refer only to the sample(s) tested and such sample(s) are cataland for 30 days only. Attention: To check the authenticity of testing / Inspection report & certificate, please contact us at telephone:(86-755) 8307

No. 301, Sunlight Road, 2 Block, Sunlight Industry Zone, Anji County, Zhejiang Province, China 313300 t (86-572) 5018825 f (86-572) 5018829 www.sgsgroup.com.cn 中国・浙江・安吉县阳光工业园二区阳光大道301号 邮编:313300 t (86-572) 5018825 f (86-572) 5018829 e sgs.china@sgs.com



Test Report

No. AJFS1806005660FF

Date: JUN.13, 2018

Photo Appendix:



SGS authenticate the photo on original report only ***End of Report***



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>http://www.sgs.com/en/Terms-and-Conditions</u> agr, and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com/en/Terms-and-Conditions</u>. Agr, and, for electronic format documents, Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits to Client's instructions, if any. The Company's sole responsibility is to its Client and this document. This document cannot be reproduced average in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance on this is selentiate of lettern docting and y be prosecuted to the fullest extent of the law. Unless otherwise stated the Attention. To check the authenticity of testing / inspection report & certificate, please contact us at telephone:(86-755) 8307 1464 coremail: CN Doccheck Referes nom

No. 301, Sunlight Road, 2 Block, Sunlight Industry Zone, Anji County, Zhejiang Province, China 313300 t (修-572) 5018825 f (修-572) 5018825 g www.sgsgroup.com.cn 中国 ·浙江 ·安吉县阳光工业园二区阳光大道301号 邮编:313300 t (修-572) 5018825 f (修-572) 5018825 g e sgs.china@sgs.com