

## Test Report

No. AJFS1808008142FF

Date: AUG.29, 2018

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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/ALEXIA

**Color:** BLACK

**Density:** 520g/m<sup>2</sup>

**Thickness:** 0.9+mm

**Composition:** PU/RAYON

**Style/Item No.:** /

**Country of Destination:** EUROPE/USA

**End Use Application:** FURNITURE/UPHOLSTERY

### Test Requested:

UNI 9175-2010 Reaction to fire of upholstered products by applying a small flame-Test method and classification.

**Test Results:** -- See attached sheet --

### Test Period:

Sample Receiving Date : AUG.20, 2018

Test Performing Date : AUG.20, 2018 TO AUG.27, 2018

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



Allen Zou  
Technical Manager



SGS-CSTC Inspection & Testing Services Co., Ltd.  
Anji Branch Hardwares

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### I. Test Conducted

This test was conducted in accordance with UNI 9175-2010 Reaction to fire of upholstered products by applying a small flame-Test method and classification.

### II. Details of tested specimen

Sample Description	PU + Foam
Color	Black + Pink
Padding Density	33.4 kg/m <sup>3</sup>
Area density of coating	505 g/m <sup>2</sup>
Sample size(foam)	450mmX150mmX75mm, 450mmX300mmX75mm

### Conditioning

Preparation of coatings	The client claimed that the sample had not been chemically treated, the pretreatment in UNI 9176-2010 was not performed.		
Conditioning of padding	All the padding samples before the conditioning shall be maintained at: (80±5) °C, (80±5) % Duration (72~74h)		
Conditioning of all test specimen	(23±2) °C	RH (50±5) %	At least 48 h

### III. Test Results

Ignition time		20s			80s			140s		
Details		Result	Post-combustion time(s)	Post-glow time(s)	Result	Post-combustion time(s)	Post-glow time(s)	Result	Post-combustion time(s)	Post-glow time(s)
Padding test	1 <sup>st</sup>	No	0s	0s	NA	NA	NA	NA	NA	NA
	2 <sup>nd</sup>	No	0s	0s						
Assembly test	1 <sup>st</sup>	No	0s	0s	No	0s	0s	No	0s	0s
	2 <sup>nd</sup>	No	0s	0s	No	0s	0s	No	0s	0s

NA---Not applicable

### Test requirement

- (1) During the test, the combustion of the test assembly is observed, as well as the presence or absence of flame and / or incandescent points, it gives a positive result if any combustion stops within 120 s after removal of the burner.

To be continued...



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- (2) Otherwise, or if the sample burns all over its surface within these 120 s, we assign a negative result.
- (3) Moreover, if the extension of the burned area in the previous tests does not allow the application of the flame of ignition, you give negative results.

### Criteria of classification:

- (1) If there is a failure in the sense described in padding test, do not run more applications and therefore the upholstered furniture is **not classifiable**.
- (2) If one of the assemblies fails in the first test trial, the upholstered furniture is **not classifiable**.

If both applications are positive, upholstered furniture is given the following classes:

- **Class 3.IM** if it is successful for both assemblies, but only for applications from 20 s;
- **Class 2.IM** if it is successful for both assemblies, but only for applications from 20 s to 80 s;
- **Class 1.IM** if you have a positive result for both assemblies for all applications (20 s, 80 and 140 s);

(3) In the event that the results differ for the two assemblies for the same time, on a third assembly like the one that has made the outcome worse. The assignment of the class is given on the basis of the worst result in these three sets.

**Conclusion:** The tested sample is classified as **Class 1.IM**.

### Photo Appendix:



SGS authenticate the photo on original report only

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



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