



中国认可  
国际互认  
检测  
TESTING  
CNAS L4743

## Test Report

No. AJFS2109008263FF

Date: OCT.09, 2021

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**MECHOS SHADE SYSTEMS**

8 SUTTON PL. EDISON NJ 08846

**Sample Description:** ECOVEIL SERIES

**SGS Ref No.:** QDHL2109511261SD

**Style/Item No.:** 950F 1%/1350F 5% / 1550F 3% / 1750F 1% (TB4028/4022/4020/4230)

**Buyer:** MECHO

**P.O. / Ref No.:** 21-1866

The above sample(s) was / were submitted and identified on behalf of the client. SGS is not responsible for the authenticity, integrity and results of the data and information and / or the validity of the conclusion arising therefrom. Results apply to the sample as received.

\*\*\*\*\*

### Test Requested:

NFPA 701:2019 Standard Methods of Fire Tests for Flame Propagation of Textiles and Films, test method 1.

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

### Conclusion:

The tested sample "As received" **meets** the requirements of NFPA 701:2019, test method 1.

### Test Period:

Sample Receiving Date : SEP.26, 2021

Test Performing Date : SEP.26, 2021 TO OCT.08, 2021

Signed for and on behalf of

SGS-CSTC Standards Technical Services Co., Ltd. Anji Branch

Allen Zou  
Approved Signatory

scan to see the report



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### I. Test Conducted

This test was conducted in accordance with test method 1 of NFPA 701:2019 Standard Methods of Fire Tests for Flame Propagation of Textiles and Films, test method 1.

### II. Details of tested sample

Sample description / Color	Fabric / Black
Area density	About 448 g/m <sup>2</sup>
Products configuration	Single Layer
Size of sample *	400 mm × 150mm
Exposed surface	Any surface

\* With the length parallel to the lengthwise direction of the material.

### III. Conditioning and cleaning procedure

Cleaning procedure: none

Prior to testing, the sample was: [ ☒ ] Dried in oven at 105°C±3°C for 30 minutes.

[ ☐ ] Conditioned at 20°C±5°C for 24 hours.

### IV. Test results

Specimen No.	Mass before test (g)	Mass after test (g)	Mass loss (%)	After flame time (s)	Burning time on floor (s)
1	28.39	25.87	8.88	0	4.1
2	28.57	25.64	10.26	0	3.7
3	28.43	26.14	8.05	0	0
4	28.17	26.48	6.00	0	0
5	27.59	25.16	8.81	0	0
6	28.11	25.62	8.86	0	4.8
7	28.55	26.63	6.73	0	0
8	28.18	26.20	7.03	0	0
9	28.33	25.86	8.72	0	5.5
10	28.47	25.81	9.34	0	0
Average	28.28	25.94	8.27	0	1.8

SD =1.31 3SD =3.93 Mean + 3SD =12.20

SD – Standards deviation

To be continued....



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### Observations:

Vigorousness of burning (Yes / No)	No
Material molten dripping (Yes / No)	Yes
Odor smoke (Yes / No)	Yes

### Criteria for test method 1 (Chapter 10):

1. Fragments or residues of specimens that fall to the floor of the test chamber shall not continue to burn for more than an average of 2 seconds per specimen for the sample of 10 specimens.
2. The average weight loss of the 10 specimens in a sample shall be 40 percent or less.
3. No individual specimen's percent mass loss shall deviate more than 3 standard deviations from the mean for the 10 specimens.
4. When a retest is required, no individual specimen's percent mass loss in the second set of specimens shall deviate from the mean value by more than 3 standard deviations calculated for the second set.
5. When a sample does not demonstrate passing performance in accordance with all of the conditions indicated above, the material shall be recorded as having failed Test Method 1.

**Statement:** This declaration of conformity is only based on the result of this laboratory activity, the impact of the uncertainty of the results was not included.

### Photo Appendix:



SGS authenticate the photo on original report only

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



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