



中国认可  
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检测  
TESTING  
CNAS L4743

**Test Report**

Report No.: AJFS2410012912FF

Date: NOV.07, 2024

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**SOYANG TECHNICAL TEXTILE (ZHEJIANG) CO, LTD**

NO. 36 JINNIU ROAD, JIANSAN NEW AREA JIAXING HAINING

**Sample Description:** POPULAR FLAG FABRIC

**SGS Ref No.:** CZHL2410008882HI

**Style No.:** ST-110

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.

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**Test Requested:**

NFPA 701:2023 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" **passes** the test method 1 of NFPA 701:2023.

**Test Period:**

Sample Receiving Date : OCT.30, 2024

Test Performing Date : OCT.30, 2024 TO NOV.05, 2024

Signed for and on behalf of

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

*Echo*

Echo Li  
Approved Signatory

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

No. 301, Sunlight Road, 2 Block, Sunlight Industry Zone, Anji County, Zhejiang Province, China 313300 t (86-572) 5018825 f (86-572) 5018829 www.sgs.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 sgs.china@sgs.com

**Test Conducted**

The test was conducted in accordance with NFPA 701:2023 Standard Methods of Fire Tests for Flame Propagation of Textiles and Films, test method 1.

**Test Specimen**

Description	Fabric
Color	White
Area density	110 g/m <sup>2</sup>
Product configuration	[ <input checked="" type="checkbox"/> ] Single Layer, [ <input type="checkbox"/> ] Multi-Layer
Size of specimen	400 mm x 150 mm
Exposed surface	Front surface

**Conditioning**

Cleaning procedure: none

Prior to testing, the specimens were dried in oven at 105°C±3°C for 30 min.

**Test Result**

Specimen No.	Mass before test (g)	Mass after test (g)	Mass loss (%)	After flame time (s)	Burn time of fragments or residues (s)
1	6.90	6.11	11.45	0	0
2	6.91	6.43	6.95	0	0
3	6.90	6.42	6.96	0	0
4	6.90	6.37	7.68	0	0
5	6.89	6.18	10.30	0	0
6	6.92	6.19	10.55	0	0
7	6.88	6.21	9.74	0	0
8	6.91	6.35	8.10	0	0
9	6.93	6.38	7.94	0	0
10	6.89	6.29	8.71	0	0
Average	6.90	6.29	8.84	0	0

SD =1.58    3SD =4.74    Mean + 3SD =13.58

SD – Standards deviation



**Observations:**

Vigorous burning (Yes/No)	Molten droplets or debris (Yes/No)	Odor smoke (Yes/No)
No	Yes	Yes

**Performance 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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