WENZHOU 360 INFLATABLE CO., LTD.

101-201, BUILDING 6 NO. 16, BINHAI SECOND ROAD, YONGXING STREET, LONGWAN DISTRICT, WENZHOU, ZHEJIANG, CHINA

Sample Description: 300D POLYESTER

SGS Ref No.: NBHL2412028992SD

Style/Item No.: /

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:

1. NFPA 701:2023 Standard Methods of Fire Tests for Flame Propagation of Textiles and Films, test method 2 (Folded specimen).
2. BS 5438:1976(R2013) Methods of test for Flammability of vertically oriented textile fabrics and fabric assemblies subjected to a small igniting flame, clause 10 test 2.

Test Results: -- See attached sheet --

Test Period:

Sample Receiving Date	:	DEC.26, 2024
Test Performing Date	:	DEC.26, 2024 TO JAN.02, 2025

Signed for and on behalf of

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

Echo Li
Approved Signatory

Scan to see the report

AJFS2412015747FF
Verification:
check.sgsonline.com.cn

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Summary of results

No.	Test(s) Requested	Result(s)	Comments
1	NFPA 701:2023 Standard Methods of Fire Tests for Flame Propagation of Textiles and Films, test method 2 (Folded specimen)	PASS	/
2	BS 5438:1976(R2013) Methods of test for Flammability of vertically oriented textile fabrics and fabric assemblies subjected to a small igniting flame, clause 10 test 2	See details	/
For further details, please refer to the following page(s).			

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1. NFPA 701:2023, test method 2

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 2 (Folded specimen).

Test Specimen

Description	Fabric
Color	White
Area density	209 g/m^2
Product configuration	[√] Single Layer, [ ] Multi-Layer
Size of specimen	1200 mm × 610 mm

Conditioning

Cleaning procedure: none

Prior to testing, the specimens were dried in oven at 105℃±3℃ for 2 h.

Test Result

Specimen No.	Char length (mm)	After flame time (s)	Burning time of portions or residues (s)
1	262	0	0
2	252	0	0
3	247	0	0
4	270	0	0

Observations:

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

Performance criteria for test method 2 (Folded specimen) (Chapter 15)

1) When any specimen continues flaming for more than 2 seconds after the test flame is removed from contact with the specimen, the material shall be recorded as having failed the test.
2) When the length of char of any individual folded specimen exceeds 1050 mm, the material shall be recorded as having failed the test.
3) When at any time during or after the application of the test flame any portions of residues of the material being tested break or drip from the specimen and fall to the floor of the test apparatus and continue burning for more than 2 seconds after reaching the floor of the test apparatus, the material shall be recorded as having failed the test.

检验检测专用章 Inspection & Testing Services

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4) In the event that only one of the four folded specimens does not meet the criteria of above, two new specimens cut in the same direction as the one that failed shall be tested, if both of the new specimens meet all of the criteria, the material shall be recorded as having passed this test.

Sub-Conclusion:

The tested sample “as received” **passes** the test method 2 (Folded specimen) of NFPA 701:2023.

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2. BS 5438:1976(R2013), test 2

Test Conducted

The test was conducted in accordance with BS 5438:1976(R2013) Methods of test for Flammability of vertically oriented textile fabrics and fabric assemblies subjected to a small igniting flame, clause 10 test 2.

Test Specimen

Description / Color	Fabric / White
Area density	209 g/m^2
Products configuration	[√] Single layer, [ ] Multi layers
Size of specimen	220 mm × 170 mm

Conditioning

Prior to testing, the specimens were conditioned in an atmosphere having a temperature of 20 ± 5 °C and a relative humidity of 60 ± 5 % for 24 h.

At time of testing: Temperature between 15°C ~ 30°C and Relative humidity between 20% ~ 65%

Test Result

The results may not apply to situations where there is restricted air supply or prolonged exposure to large sources of intense heat as in a conflagration.

Exposed surface (if applicable): [√] Face; [ ] Back

Specimen No.	Lengthwise			Widthwise		
	1↑	2↓	3↑	4→	5←	6→
Duration of flaming (s)	15.0	5.2	6.8	14.2	9.3	8.4
Duration of afterglow (s)	0	0	0	0	0	0
Occurrence of debris (Yes or No)	Yes	Yes	No	No	No	No
Flaming debris (Yes or No)	No	No	No	No	No	No
Flaming to upper/vertical edge (Yes or No)	No	No	No	No	No	No
Hole reached an edge (Yes or No)	No	No	No	No	No	No
Glowing reached an edge (Yes or No)	No	No	No	No	No	No
Max. horizontal extent of hole (mm)	63	53	60	52	45	47
Max. vertical extent of hole (mm)	93	95	90	70	78	72

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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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