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Test Report

Report No.: AJFS2312012142FF

Date: DEC.20, 2023

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HUZHOU MAI HONG TEXTILE CO., LTD

HONGQIAO TOWN INDUSTRIAL PARK, CHANGXING COUNTY, HUZHOU CITY, ZHEJIANG PROVINCE

Sample Name: MH-1680A OUTDOOR FABRIC

SGS Ref No.: NBIN2311003096PL02

Manufacturer: HUZHOU MAI HONG TEXTILE CO., LTD

Material and Mark: 100% OLEFIN

Product Spec.: 100% OLEFIN

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:

The Furniture and Furnishings (Fire) (Safety) Regulations 1988 S.I. No.1324 (amended 1989,1993 and 2010), Schedule 4 Part I Cigarette test for cover fabrics and Schedule 5 Part I Match test for cover fabrics. As specified in above standard(s) and incorporated with using ignition source 0 and 1 of BS 5852 Part 1:1979.

Test Results: -- See attached sheet --

Conclusion: The tested sample **Meets** the Requirements of Schedule 4 Part I and Schedule 5 Part I in Statutory Instrument 1988 No.1324 (Amended 1989,1993 and 2010) the Furniture and Furnishings (Fire) (Safety) Regulations.

Test Period:

Sample Receiving Date : DEC.13, 2023

Test Performing Date : DEC.13, 2023 TO DEC.20, 2023

Signed for and on behalf of

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

Echo Li

Approved Signatory

Scan to see the report



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Verification: check.sgsonline.com.cn



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Test Conducted

The Furniture and Furnishings (Fire) (Safety) Regulations 1988 S.I. No. 1324 (amended 1989, 1993 and 2010), Schedule 4 Part I Cigarette test for cover fabrics and Schedule 5 Part I Match test for cover fabrics. Smouldering cigarette test(ignition source 0) and Butane flame test(ignition source 1) of BS 5852 Part 1:1979.

Conditioning

The specimens were cleansed using a water-soak procedure at 40±1°C as described in BS 5651:1978 and modified by this Regulations 1988 S.I. No. 1324 (amended 1989, 1993 and 2010) Schedule 4 Part I and Schedule 5 Part I.

The specimens were conditioned immediately before the test for 72 h in indoor ambient conditions and then for at least 16 h in an atmosphere having a temperature of 20±5°C and a relative humidity of 50±20%.

At time of testing: Temperature between 15°C ~ 30°C and Relative humidity between 20% ~ 70%.

Test Result

The following test results relate only to the ignitability of the 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 in use.

(A) Smouldering cigarette test criteria (BS 5852 Part 1:1979)	1 st	2 nd
Clause 9.2.3 Whether the evidence of progressive smouldering or flaming is observed in the interior and/or cover	No	No
Clause 9.2.4 Whether progressive smouldering or flaming of the sample is observed at any time within one hour of placement of the cigarette	No	No
Clause 9.2.5 Whether progressive smouldering is observed on final examination when dismantle assembly and examine internally	No	No
(B) Butane flame test criteria (BS 5852 Part 1:1979)	1 st	2 nd
Clause 9.3.4 Whether the evidence of flaming or progressive smouldering in the interior and/or cover is observed beyond 120s of the removal of the burner tube	No	No
Clause 9.4 On final examination whether progressive smouldering is observed when dismantle assembly and examine internally	No	No



Result Details

Cigarette Test			
Test No.		1 st	2 nd
Progressive smouldering (PS) or Flaming (F)		No	No
Duration of	Ignition source (min, s)	21 min 39 s	22 min 36 s
	Flames (min, s)	0 s	0 s
	Smoke (min, s)	21 min 53 s	22 min 45 s
Final examination of progressive smouldering (9.4)		No	No
Reason for failure (Ref to failure code)		--	--
Comments & observations		No	No
Overall Result		Pass	Pass

Match Test			
Test No.		1 st	2 nd
Progressive smouldering (PS) or Flaming (F)		No	No
Duration of	Ignition source (19-21 s)	20 s	20 s
	After flames (min, s)	0 s	0 s
	Smoke (min, s)	27 s	31 s
Final examination of progressive smouldering (9.4)		No	No
Reason for failure (Ref to failure code)		--	--
Comments & observations		No	No
Overall Result		Pass	Pass

Remark: The submitted sample was tested in combination with standard worst case scenario non-flame retardant conventional polyurethane foam as specified in the Regulations.

Statement:

The decision rules for statements of conformity (Pass/Fail) have been applied to any results that results in a numerical value and are based on the probability conformance of 95% (UKAS LAB 48) agreed with the customer at the contract review stage.



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Photo Appendix:

Details of sample:

Color: Olive

This fabric sample of approximate density of 433 g/m².



SGS authenticate the photo on original report only

*** End of Report **



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