



Test Report

Report No.: AJFS2210008412FF

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DONGGUAN ERQI NEW MATERIAL CO., LTD.

NO.6, YINCHENG MIDDLE ROAD, CHANGAN TOWN, DONGGUAN CITY, GUANGDONG PROVINCE,
CHINA

Sample Description: ROPE

Composition: TX+0LIFEN

Style/Item No.: TJ-5mm

Test Requested:

IMO International code for application of fire test procedures, 2010 (2010 FTP CODE), Annex 1 Fire test procedure, Part 8 Test for upholstered furniture.

Test Results: -- See attached sheet --

Test Period:

Sample Receiving Date : OCT.20, 2022

Sample Test Date : OCT.26, 2022

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

Echo

Echo Li
Approved Signatory

scan to see the report



AJFS2210008412FF



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Anji Branch Fire Technology Service

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Sample Information

The following data and information 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.

Type of the furniture	:	Chair
Fabric material	:	PP+ PVC+ Polyester
Fabric composition of weave	:	weave
Fabric density (number/inch)	:	/
Fabric yarn number count	:	600D
Fabric thickness	:	5 mm
Fabric mass per unit area	:	3000 g/m ²
Fabric color and tone	:	Black
Fabric fire retardant treatment	:	Yes



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Introduction:

The test was conducted in accordance with 2010 FTP code Annex 1 Part 8 at the request of the client. If no progressive smoldering and flame are observed during the test and the final examination specified in 7.4 of Annex 1 is passed, the sample is considered to meet the criteria requirements.

Test Specimen:

Components	Cover material	Upholstery filling
Materials	Rope	N/P
Color	Black	N/P
Density / weight per unit area	/	N/P
Size of specimens	800 mm × 650 mm	N/P
Thickness	5.0 mm	N/P

Conditioning:

Cleaning procedure: None

The materials to be tested and the cigarette 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 $23 \pm 2^\circ\text{C}$ and a relative humidity of $50 \pm 5\%$.

Test environment: temperature $20 \pm 5^\circ\text{C}$ and relative humidity between 20% ~ 70%.

Test Result:

1. Smouldering cigarette test

The smouldering rate is verified according to the requirements of 2010 FTP Code, Annex 1, Part 8

Length (mm)	Diameter (mm)	Mass (g)	Smouldering time at 5mm~55mm (min.)	Smouldering rate (min./mm)
68	7.8	0.97	11	11/50

Criteria	1 st test	2 nd test
7.2.4) Whether progressive smouldering or flaming of the sample is observed at any time within 1 h of placement of the cigarette.	NO	NO
7.4) Immediately after completion of the test programme on the assembly, dismantle it and examine it internally for progressive smouldering ignition, if this is present, extinguish the test piece, and record a fail result for the relevant test source.	NO	



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Test Details

Test	Dimension and mass of cigarettes	Time to extinguishment after placement of the cigarette		Extent of damage (mm)	Observations
		Flame	Smoke		
1 st	Length: 69 mm Diameter: 7.8 mm Mass:0.97 g	0 s	3 min 46 s	22	#1
2 nd	Length: 70 mm Diameter: 7.9 mm Mass:0.99 g	0 s	4 min 31 s	26	#1

2. Propane flame test

Criteria	1 st test	2 nd test
7.3.4) Flaming or progressive smouldering of the upholstery components is observed after 120s of the removal of the burner tube.	NO	NO
7.4) Immediately after completion of the test programme on the assembly, dismantle it and examine it internally for progressive smouldering ignition, if this is present, extinguish the test piece, and record a fail result for the relevant test source.	NO	

Test Details

Test	Ignition source	Time to extinguishment after removal of the burner		Extent of damage (mm)	Observations
		Flame	Smoke		
1 st	(20±1) s	0 s	29 s	78	#3
2 nd	(20±1) s	0 s	31 s	66	#3

Remark: N/P—Not provided

#1—Cigarette fails to smoulder its complete length.

#2—Cigarette smoulders its complete length, but the sample was non ignition.

#3—The sample was not ignited after removal of the burner.

#4—Flaming but self-extinguished.

#5—Escalating combustion and forcibly extinguished.

Deviation:

Any deviations from the test method: No

Note: The rope was tested in combination with standard non-flame-retardant flexible polyether foam with a density of about 22 kg/m³.



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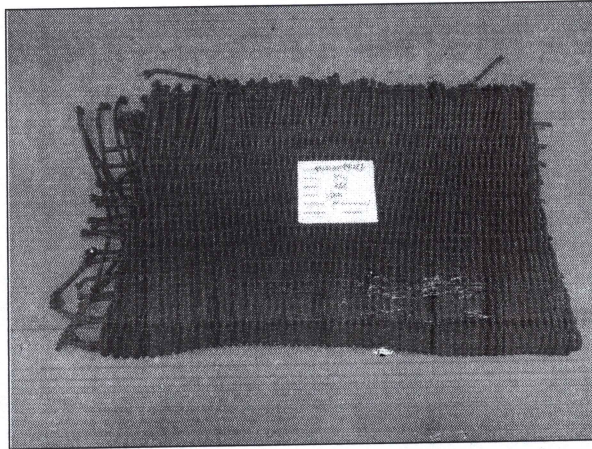
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Statement:

The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

Test results apply to the sample as received.

Photo Appendix



SGS authenticate the photo on original report only

End of Report



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