



中国认可
国际互认
检测
TESTING
CNAS L4743

TEST REPORT

No.: AJFTS25007443R01_EN

Date: Nov 12, 2025

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RIZHAO DONGSHENG CARPET CO., LTD

SOUTH OF SHANHAI 2 ROAD, WEST OF CHAOSHI ROAD, RIZHAO, SHANDONG, CHINA

Sample Name : AXMINSTER CARPET

Style/Item No. : /

The above sample(s) 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 arising therefrom. Results apply to the sample as received.

SGS Ref. No. : SHIN2510002856CM01

Sample Receiving Date : Oct 29, 2025

Testing Period : Oct 29, 2025 to Nov 07, 2025

Test Required : ASTM E648-2023 Standard test method for critical radiant flux of floor-covering systems using a radiant heat energy source.

Test result(s) : See attached sheet

Classification : Class I

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

Echo Li

Echo Li
Approved signatory

Scan to see the report



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Verification:

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I. Test conducted

This test was performed in accordance with ASTM E648-2023 Standard test method for critical radiant flux of floor-covering systems using a radiant heat energy source.

II. Sample details

Sample description	Carpet
Color	Blue
Area density	2.9 kg/m ²
Specimen size	Length <u>1050</u> mm; Width <u>230</u> mm; Thickness <u>10.0</u> mm 3 PCS
Test face	Carpet surface

Precondition	Temperature: 21±3°C, Humidity: 50±5%, at least 48h
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III. Test results

Distance (mm)	S1	S2	S3
	Time (minute: second)	Time (minute: second)	Time (minute: second)
50	8:05	7:36	7:49
100	-	-	-
150	-	-	-
200	-	-	-
250	-	-	-
300	-	-	-
350	-	-	-
400	-	-	-
450	-	-	-
500	-	-	-
550	-	-	-
600	-	-	-
650	-	-	-
700	-	-	-
750	-	-	-
800	-	-	-
850	-	-	-
900	-	-	-
950	-	-	-



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1000	-	-	-
1050	-	-	-
Ignition time (min:s)	5:04	5:06	5:04
Extinguishing time (min:s)	15:15	14:26	15:33
Burned distance (mm)	70	60	80
Radiant flux at flame-out (W/cm ²)	≥1.1	≥1.1	≥1.1
Observations	None		

Summary of results:

	S1	S2	S3	Average	S	V
Critical radiant flux (W/cm ²)	≥1.1	≥1.1	≥1.1	≥1.1	0	0

Remark:

S—standard deviation; V—coefficient of variation

Requirements of classification:

NFPA 101-2024 Life Safety Code, clause 10.2.7.4 Interior Floor Finish Test and Classification.

- (1) Class I interior floor finish shall be characterized by a critical radiant flux not less than 0.45 W/cm².
- (2) Class II interior floor finish shall be characterized by a critical radiant flux not less than 0.22 W/cm² but less than 0.45 W/cm².

STATEMENTS:

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.



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Photo Appendix:



SGS authenticate the photo on original report only

End of Report



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