



中国认可
国际互认
检测
TESTING
CNAS L4743

TEST REPORT

No.: AJFTS25008061R02_EN

Date: Dec 03,2025

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RIZHAO DONGSHENG CARPET CO., LTD

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

Sample Name : NYLON PRINTED 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. : SHIN2511003098CM02

Sample Receiving Date : Nov 20,2025

Testing Period : Nov 20,2025 to Dec 01,2025

Test Required : ASTM E648-2025 Standard test method for critical radiant flux of floor-covering systems using a radiant heat energy source.

Test result(s) : See attached sheet

Conclusion : The received sample **meets** Class I of NFPA 101-2024 Life Safety Code clause 10.2.7.4 Interior Floor Finish Test and Classification.

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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I. Test conducted

This test was performed in accordance with ASTM E648-2025 Standard test method for critical radiant flux of floor-covering systems using a radiant heat energy source.

II. Sample details

Sample description	Carpet
Color	Multi color
Area density	2.5 kg/m ²
Specimen size	Length <u>1050</u> mm; Width <u>230</u> mm; Thickness <u>8.9</u> mm 3 PCS
Test face	Front surface

Precondition	Temperature: 21±3℃, 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	7:02	6:52	7:21
100	9:15	9:02	9:46
150	10:47	10:31	11:06
200	12:23	12:00	12:45
250	14:04	13:56	14:26
300	16:43	17:06	18:54
350	21:41	22:31	23:26
400	30:18	30:48	31:21
450	-	-	-
500	-	-	-
550	-	-	-
600	-	-	-
650	-	-	-
700	-	-	-
750	-	-	-
800	-	-	-
850	-	-	-
900	-	-	-
950	-	-	-
1000	-	-	-

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1050	-	-	-
Ignition time (min:s)	5:08	5:06	5:04
Extinguishing time (min:s)	35:43	35:18	34:26
Burned distance (mm)	430	430	410
Radiant flux at flame-out (W/cm ²)	0.48	0.48	0.50
Observations	None		

Summary of results:

	S1	S2	S3	Average	S	V
Critical radiant flux (W/cm ²)	0.48	0.48	0.50	0.49	0.01	2.37

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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