



中国认可
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检测
TESTING
CNAS L4743

TEST REPORT

No.: AJFTS25008061R01_EN

Date: Dec 04,2025

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RIZHAO DONGSHENG CARPET CO., LTD

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

Sample Description : 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. : SHIN2511003098CM01

Sample Receiving Date : Nov 20,2025

Testing Period : Nov 20,2025 to Dec 02,2025

Test Required : ASTM E662-2021a^{ε1} Standard Test Method for Specific Optical Density of Smoke Generated by Solid Materials.

Test result(s) : See attached sheet

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

Eva Zhang
Approved signatory



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Member of the SGS Group (SGS SA)

Test conducted

This test was conducted according to ASTM E662-2021a^{e1} Standard Test Method for Specific Optical Density of Smoke Generated by Solid Materials.

Sample details

Sample description	Axminster carpet
Color	Grey
Thickness	About 11.0mm
Specimen size	76mm×75mm
Exposed surface	Front surface

Conditioning:

Pre-dry specimens for 24 h at 60±3℃ and then condition to equilibrium (constant weight) at an ambient temperature of 23±3℃ and a relative humidity of 50±5%.

Test results

Irradiance Exposure: 2.5±0.05 W/cm²

1) Flaming mode

	Test Specimen			Average
	1	2	3	
Temperature of chamber wall (℃)	35	35	35	
Initial weight (g)	14.3	14.2	14.2	
$D_{S1.5}$	27	25	24	25
$D_{S4.0}$	98	94	93	95
D_m	368	358	351	359
t_{D_m} (min)	12.5	13.0	12.8	
D_m (corr)	331	324	320	325
Unusual behavior	No	No	No	--
Observations	Color of the smoke: Grey			



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2) Non - Flaming mode

	Test Specimen			Average
	1	2	3	
Temperature of chamber wall (°C)	35	35	35	
Initial weight (g)	14.2	14.2	14.1	
$D_{S1.5}$	51	56	55	54
$D_{S4.0}$	111	109	118	113
D_m	317	319	322	319
t_{D_m} (min)	20.0	20.0	19.9	
$D_m(\text{corr})$	297	298	298	298
Unusual behavior	No	No	No	--
Observations	Color of the smoke: Grey			

Note:

$D_{S1.5}$ — Specific optical density at 1.5 minutes.

$D_{S4.0}$ — Specific optical density at 4.0 minutes.

D_m — Maximum Specific optical density at any time during the 20 minutes.

t_{D_m} — The time in minutes for the smoke to accumulate to the maximum specific optical density.

$D_m(\text{corr})$ — D_m corrected for incidental deposits on the optical surface.

If during the test of one or more of the three replicate samples there occurs such unusual behavior as

- (1) The specimen falling out of the specimen holder,
- (2) Melted material overflowing the sample holder trough,
- (3) Self-ignition in the pyrolysis mode,
- (4) Extinguishment of the flame tiptlets (even for a short period of time), or
- (5) A specimen being displaced from the zone of controlled irradiance,

then an additional three samples of the identical preconditioned materials shall be tested in the test mode in which the unusual behavior occurred. The test method is not suitable if more than three of the six replicates tested show above characteristics.



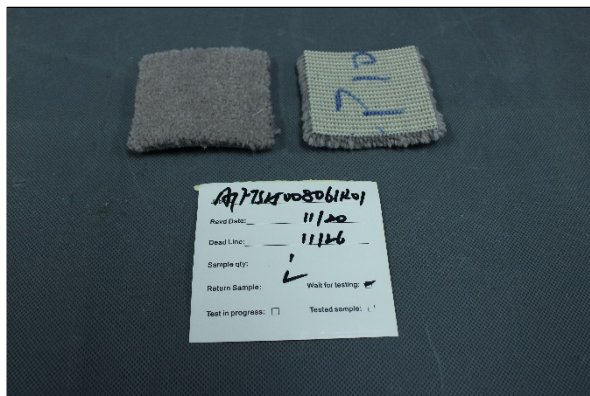
SGS-CTC (Shanghai) Technical Services Co., Ltd.
Anji Branch Fire Technology Service

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Photo Appendix:



SGS authenticate the photo on original report only

End of Report



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