



Test Report

Report No. TC.25.07.003186

Date of Issue 2025-07-30



Applicant: SHAOXING YIWAY IMPORT AND EXPORT CO.,LTD.

Applicant Address: ROOM NO.1904, 19TH FLOOR OF DINGSHENG MANSION, NO.375 OF EAST SHENGLI ROAD, SHAOXING, ZHEJIANG, CHINA

Sample Description: Woven cotton P/D FR-1(300CM)

Style No.: FR-1(A02309)

End use: Used for retail or as curtains and tablecloths.

Manufacturer: JINSI GROUP HOLDING CO.,LTD

Material: 100%cotton

Buyer:

Export country: NETHERLANDS

Origin: CHINA

Receipt Date of Sample: Received on 2025-07-10

Date of Testing: From 2025-07-10 to 2025-07-29

Sample Submitted: The Sample(s) and Its (Their) Information(s) Was (Were) Submitted by Applicant and Identified.

Test Result: Refer to Next Page.

TÜV SÜD SW Rail Transportation Technology (Jiangsu) Co., Ltd.

Prepared by:

Shuwei Chen

Approved by:

Wayne Wang

Note:

(1) Each order is subject to acceptance of our [General Terms and Conditions](#) and the [TÜV SÜD Testing, Certification, Validation and Verification Regulation](#), in the version valid at the time the contract is concluded. For full version of above both documents, please visit the link to view.

(2) The results in this report are relevant only to the sample(s) tested.

(3) The test report shall not be reproduced except in full without the written approval of the laboratory.

(4) Disclaimer Measurement Uncertainty:

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019 or CNAS-GL015:2022.

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Description of the test subject

Sample	Description	Picture of Sample
001	Woven cotton P/D FR-1(300CM)	

Conclusion:

Test Items		Standard	Conclusion
1	Small flame test	DIN 4102-1:1998 B1	Pass
	Vertical furnace combustion test		



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Test Results

1. DIN 4102-1:1998 Fire behaviour of building materials and elements Part 1: Classification of building materials requirements and testing-B1

B1 requirement:

All materials, except flooring, may be classed as B1 materials if they:

- Withstand the test specified in DIN 4102-16 using the 'Brandschacht' apparatus specified in DIN 4102-15, and
- meet the requirements for class B2 materials.

B2 requirement:

This test shall be deemed passed if, for any of the five specimens tested, flaming does not reach the gauge mark within 20 seconds after flame application.

Test method:

1.1 DIN 53438: Response to ignition by a small flame

1.1.1 Sample details

Sample size	Edge ignition: 5 pieces	90mm*190mm
	Surface ignition:5 pieces	90mm*230mm

Conditioning	Temperature	Relative humidity	Duration
	(23±2)°C	(50±5)% R.H.	336h

1.1.2 Test result

Test item	No.	Whether flaming reach the gauge mark within 20 seconds after flame application (Yes/No)
Edge ignition	1	No
	2	No
	3	No
	4	No
	5	No
Surface ignition	1	No
	2	No
	3	No
	4	No
	5	No

Conclusion: According to the test results, the submitted sample **meets** the requirements of DIN 4102-1 B2 requirement.



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1.2 DIN 4102-16 Fire behaviour of building materials and elements – ‘Brandschacht’ tests

Parameter	Test result	Requirement
The minimum remaining length of burning (mm)	740	>0
The average remaining length of burning (mm)	780	≥150
The maximum average flue gas temperature peaks (°C)	149	≤ 200

Conclusion: According to the test results, the submitted sample **meets** the requirements of DIN 4102-16 requirement.

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 the sole criterion for assessing the potential smoke and toxicity hazard of the product in use.

-End of Report-