

DEZHOU MUJIN BUILDING MATERIAL CO.,LTD.

NO.31-B, XICHANG EAST AREA, TIANQU INDUSTRIAL AREA, DECHENG, DEZHOU CITY, SHANDONG PROVINCE, CHINA

Sample Description : CARPET
Color : BLACK
Composition : POLYESTER
Manufacturer : DEZHOU MUJIN BUILDING MATERIAL CO.,LTD.
Supplier : DEZHOU MUJIN BUILDING MATERIAL CO.,LTD.
Country of Destination : ITALY

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.

Sample Receiving Date : Jun 18,2025
Testing Period : Jun 18,2025 to Jul 03,2025
Test Required : UNI 9177:2008 Reaction to fire - Classification of combustible products
Test result(s) : See attached sheet

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

Ada

Ada Liu
 Approved signatory



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I. Test conducted

This test was conducted as per UNI 9177:2008 Reaction to fire - Classification of combustible products. And the test methods as following:

1. UNI 9174:2010 Reaction to fire of products which can be hit by flame with radiant heating.
2. UNI 8457:2010 Combustible products which can be hit by flame on one surface - Reaction to fire by applying a small flame.

II. Details of classified product

Sample Description	Carpet
Color	Black
Thickness	2 mm
Area density	313.7 g/m ²
Position of the sample	Flooring

III. Test results

Test methods	Parameter	Test Results	Level	Multiplication factor	Sum	Category	
UNI 9174	Speed of propagation of the flame	Speed is not measurable because the flame did not reach the 150 mm target	1	2	5	I	
	Damaged area	< 350 mm	1	2			
	Post-incandescence	≤ 180 s	1	1			
	Dripping	Flooring	Absent	1			0
		Wall	-	-			1
	Ceiling and flooring not in adherence	-	-	2			
UNI 8456 or UNI 8457	Time of post-combustion	≤ 5s	1	2	8	I	
	Time of post-incandescence	≤ 10s	1	1			
	Damaged area	More than 150 mm, less or equal to 200 mm	2	2			
	Dripping	No drops	1	1			

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IV. Classification

a) Reference of classification

This classification has been carried out in accordance with **UNI 9177:2008**.

b) Classification

The product in relation to its reaction to fire behaviour is classified:

Test method	Condition to satisfy
UNI 9174	Category I
UNI 8456 or UNI 8457	Category I

Reaction to fire classification: Class 1

Remark: The classes with their corresponding fire performance are given in annex A.

Limitations

This classification document does not represent type approval or certification of the product.

Warning:

The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriate references, supplied by the manufacturer, to provide for traceability of the samples tested.

Statement:

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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Annex A Classification

Test methods	Classification criteria	Class
UNI 9174 UNI 8456 or UNI 8457	Category {I} Category {I}	1
UNI 9174 UNI 8456 or UNI 8457	Category {II} or {I} Category {I} {II}	2
UNI 9174 UNI 8456 or UNI 8457	Category {III} or {II} or {I} or {III} or {II} Category {I} {III} {III} {I} {II}	3
UNI 9174 UNI 8456 or UNI 8457	Category {IV} or {III} or {III} or {IV} or {II} or {IV} or {I} Category {III} {IV} {III} {II} {IV} {I} {IV}	4
UNI 9174 UNI 8456 or UNI 8457	Category {IV} Category {IV}	5



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Annex B Category for UNI 9174

Category	Sum of the product		
	Flooring	Wall	Ceiling and flooring not in adherence
I	5-7	6-8	7-9
II	8-10	9-12	10-13
III	11-13	13-15	14-17
IV	14-15	16-18	18-21

Level of behavior of the product:

1. Velocity of propagation of the flame

Level 1: speed is not measurable because the flame did not reach the 150 mm target

Level 2: propagation speed less or equal to 30 mm/min

Level 3: propagation speed greater than 30 mm/min

2. Damaged area

Level 1: less than 350 mm

Level 2: between 350 mm and 600 mm

Level 3: more than 600 mm

3. Post-incandescence

Level 1: less or equal to 180 s

Level 2: more than 180 s and less or equal to 360 s

Level 3: more than 360 s

4. Dripping

Level 1: absent, with eventually drops and/or incandescent parts that extinguished within 5 s after the moment of contact with the support surface

Level 2: inflamed drops or parts that extinguish within 3 s after the contact with the support surface – incandescent drops or parts that extinguish within 10 s after the contact with the support surface

Level 3: inflamed drops or parts that burn more than 3 s after the contact with the support surface – incandescent drops or parts that burn more than 10 s after the contact with the support surface



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Annex C Category for UNI 8156 or UNI 8157

Category	Sum of the products level/factor
I	6-8
II	9-12
III	13-15
IV	16-18

Level of behavior of the product:

1. Time of post-combustion

Level 1: less or equal to 5s

Level 2: more than 5s, less or equal to 60s

Level 3: more than 60s

2. Time of post-incandescence

Level 1: less or equal to 10s

Level 2: more than 10s, less or equal to 60s

Level 3: more than 60s

3. Damaged area

Level 1: less or equal to 150 mm

Level 2: more than 150 mm, less or equal to 200 mm

Level 3: more than 200 mm and/or breaking of the cotton thread

4. Dripping

Level 1: No drops and/or detachments and/or not incandescent at the time of contact with the bottom of the combustion chamber

Level 2: flaming drops and/or loose parts but extinguished within 3 s

Level 3: flaming drops and/or loose parts burning for more than 3 s



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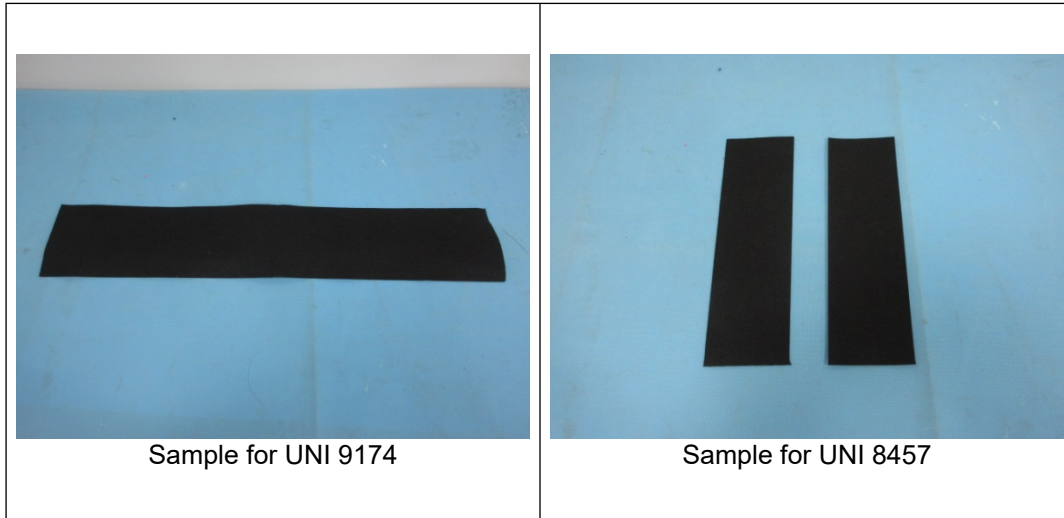
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Photo Appendix:



SGS authenticate the photo on original report only

End of Report



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