

Test Report

No.: 70.404.23.10209.04

Date: 2023-03-17

Applicant: DAKANG HOLDING CO., LTD
Address: ANJI COUNTY, HUZHOU CITY, ZHEJIANG PROVINCE, CHINA
Product Name: 0.8mm Grey PU
Manufacturer: DAKANG HOLDING CO., LTD
Model Name: 51XXXXX,07XXXXX,20XXXXX (X=0~9)
Country of Origin: CHINA
Country of Destination: UK
Receipt Date of Sample: 2023-02-27
Date of Testing: 2023-02-27 to 2023-03-17
Sample Submitted: The sample(s) was (were) submitted by applicant and identified.
Test Result: Refer to the data listed in following pages

Test Item	Conclusion
1. Ignitability test according to the furniture and furnishings (fire) (safety) regulations 1988 (amended 1989, 1993 and 2010)	Pass (Non-ignition)
2. Test with reference to EN 1021-1:2014 Furniture – Assessment of the ignitability of upholstered furniture – Part 1: Ignition source smouldering cigarette	Pass (Non-ignition)
3. Test with reference to EN 1021-2:2014 Furniture – Assessment of the ignitability of upholstered furniture – Part 2: Ignition source match flame equivalent	Pass (Non-ignition)

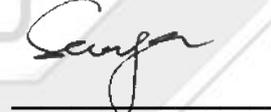
TÜV SÜD Certification and Testing (China) Co., Ltd. Shanghai Branch
Testing Center

Prepared by:


Jenny Yao
Technical Engineer



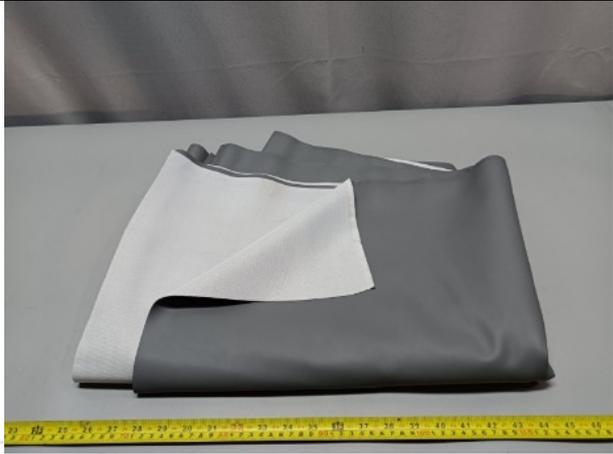
Authorized by:


Sawyer Tang
Technical Manager

Note:

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Unless otherwise agreed upon, Pass or Fail verdicts are given based on the measured values without any considerations of measurement uncertainties. Please note, every test method has a measurement uncertainty which has been evaluated by the laboratory according to ISO/IEC 17025 requirements. By taking measurement uncertainties into account it might happen that measured values can neither be assessed as Pass nor as Fail.

Description of Tested Subject:

Sample	Description	Photo
001	0.8mm Grey PU	



Test Result(s):

1. Ignitability test according to the Furniture and Furnishings (Fire) (Safety) Regulations 1988 (amended 1989, 1993 and 2010)

Test method: BS 5852 – Part 1:1979—Schedule 4 part I – The Cigarette Test.

1.1 Sample description

Precondition	Temperature	Relative humidity	Duration
	20±2°C	65±3% R.H.	24h
	Pre-conditioning time: from <u>2023.03.08 9:00</u> to <u>2023.03.09 9:00</u>		
Water soaking procedure	A water soaking procedure was carried out on the cover		

1.2 Test result

Smouldering cigarette source		1	2
Smouldering criteria	Unsafe escalating combustion	N	N
	Test assembly consumed	N	N
	Smoulders to extremities	N	N
	Smoulders through thickness	N	N
	Smoulders more than 1 h	N	N
	In final examination, presence of active smouldering	N	N
Flaming criteria	Occurrence of flames	N	N

Remark:

Y: YES- criteria exceeded

N: NO- criteria not exceeded

--: It was unsafe to continue the test and required forcible extinction. So there is no record.

Test results: Pass (Non-ignition)

Schedule 5 part I – The match test.

1.3 Sample description

Precondition	Temperature	Relative humidity	Duration
	20±2°C	65±3% R.H.	24h
	Pre-conditioning time: from 2023.03.08 9:00 to 2023.03.09 9:00		
Water soaking procedure	A water soaking procedure was carried out on the cover		

1.4 Test result

Match flame equivalent source		1	2
Smouldering criteria	Unsafe escalating combustion	N	N
	Test assembly consumed	N	N
	Smoulders to extremities	N	N
	Smoulders through thickness	N	N
	Smoulders more than 1 h	N	N
	In final examination, presence of active smouldering	N	N
Flaming criteria	Unsafe escalating combustion	N	N
	Test assembly consumed	N	N
	Flames to extremities	N	N
	Flames through thickness	N	N
	Flames longer than 120 s	N	N

Remark:

Y: YES- criteria exceeded

N: NO- criteria not exceeded

--: It was unsafe to continue the test and required forcible extinction. So there is no record.

Test results: Pass (Non-ignition)

2. Test with reference to EN 1021-1:2014 Furniture – Assessment of the ignitability of upholstered furniture – Part 1: Ignition source smouldering cigarette

Sample	001		
Conditioning	Temperature	Relative humidity	Period
	23±2°C	50±5%R.H.	at least 72 h
Water soaking procedure	A water soaking procedure was carried out on the cover.		

Test result			
Criteria of ignition		Specimen	
		1	2
Progressive smouldering ignition	Unsafe escalating combustion	N	N
	Test assembly consumed	N	N
	Smoulders to extremities	N	N
	Smoulders through thickness	N	N
	Smoulders more than 1 h	N	N
	In final examination, presence of active smouldering	N	N
Flaming ignition	Occurrence of flames	N	N
Conclusion:	Pass (no ignition)		

Remark:

Y: Yes = criteria exceeded;
N: No = criteria not exceeded

Note: The above test results relate only to the ignitability of the combination of materials under the particular conditions of test; they are not intended as a means of assessing the full potential fire hazard of the materials in use.

3. Test with reference to EN 1021-2:2014 Furniture – Assessment of the ignitability of upholstered furniture – Part 2: Ignition source match flame equivalent

Sample	001		
Conditioning	Temperature	Relative humidity	Period
	23±2°C	50±5%R.H.	at least 72 h
Water soaking procedure	A water soaking procedure was carried out on the cover.		

Test result				
Criteria of ignition		Specimen		
		1	2	3
Progressive smouldering ignition	Unsafe escalating combustion	N	N	N
	Test assembly consumed	N	N	N
	Smoulders to extremities	N	N	N
	Smoulders through thickness	N	N	N
	Smoulders more than 1 h	N	N	N
	In final examination, presence of active smouldering	N	N	N
Flaming ignition	Unsafe escalating combustion	N	N	N
	Test assembly consumed	N	N	N
	Flames to extremities	N	N	N
	Flames through thickness	N	N	N
	Flames longer than 120 s	N	N	N
Conclusion:	Pass (no ignition)			

Remark:

Y: Yes = criteria exceeded;

N: No = criteria not exceeded

Note: The above test results relate only to the ignitability of the combination of materials under the particular conditions of test; they are not intended as a means of assessing the full potential fire hazard of the materials in use.

-End of Test Report-