

**Test Report**

Number: GZHH00537345

Applicant: TODA PVC LEATHER CO.,LTD  
88/11 M.1 BANG NAM CHUET MUEANG  
SAMUTSAHKORNSAMUTSAHKONR 74000 THAILAND

Date: Apr 30, 2024

Attn: LUOYAOPING

Sample Description:

Four (4) submitted samples said to be **Spray adhesive TDO1 (fire-retardant)** :

Date Sample Received : Apr 24, 2024

Testing Period : Apr 24, 2024 to Apr 30, 2024



Tests conducted:

As requested by the applicant, refer to attached page(s) for details.

To be continued



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Conclusion:

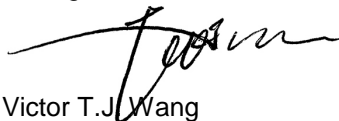
Tested samples  
Submitted sample

Standard  
Schedule 1 Part I of Furniture and Furnishings  
(Fire) (Safety) Regulations 1988 With Amendments  
In 1989, 1993 and 2010 of United Kingdom

Result  
Pass

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Authorized by:  
For Intertek Testing Services Shenzhen Ltd.  
Guangzhou Branch, Hardlines



Victor T.J. Wang  
Assistant General Manager



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Tests Conducted

- 1 Methods of test for the ignitability of upholstered composites for seating by flaming sources: Ignition source 5

With reference to Schedule 1 Part I of Furniture and Furnishings (Fire) (Safety) Regulations 1988 With Amendments In 1989, 1993 and 2010 of United Kingdom based on BS 5852 Part 2: 1982 Methods of test for the ignitability of upholstered composites for seating by flaming sources: Ignition source 5

**General Information:**

--		Filling material	
Materials & Color		PU Foam & White	
Size of test sample		2 pieces 450 mm W x 450 mm D x 75 mm T 2 pieces 450 mm W x 300 mm D x 75 mm T	
Density		29.9 kg/m <sup>3</sup>	
Soaking condition		NO	
Condition		Requirement	Actual
Duration of indoor ambient conditions		≥72h	72h
Precondition	Temperature	(23±2) °C	24.5°C
	Relative humidity	(50±5) %	50%
	Duration	≥24h	24h
Test condition	Temperature	15°C to 30°C	24.5°C
	Relative humidity	20% to 70%	50%

**Test Results:**

The following test results relate only to the ignitability of the combination of materials under the particular condition of test. They are not intended as a means of assessing the full potential fire hazard of the materials or products in use.

Test Criteria	Results	
	1 <sup>st</sup> test	2 <sup>nd</sup> test
<b>(A) Progressive Smouldering</b> (Clause 4.1 of BS 5852: Part 2:1982)		
4.1 b) Any composite that produces externally detectable amounts of smoke, heat or glowing 60 minutes after ignition of the crib.	NO	NO
4.1 c) Any composite that displays escalating combustion behaviour so that it is unsafe to continue the test and requires forcible extinction.	NO	NO
4.1 d) Any composite that smoulders until it is essentially consumed within the test duration relevant to the source.	NO	NO
4.1 e) Any composite that smoulders to the extremities of the specimen viz. upper or lower margins, either side or to its full thickness, within the duration of the test.	NO	NO
4.1 f) Any composite that, on final examination, shows evidence of charring other than discolouration, more than 100mm in any direction apart from upwards from the nearest part of the original position of the source.	NO	NO



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<b>(B) Flaming</b> (Clause 4.2 of BS 5852: Part 2:1982)		
4.2 b) Any composite that continues to flame for more than 10 minutes after the ignition of the crib	NO	NO
4.2 d) Any composite that displays escalating combustion behaviour so that it is unsafe to continue the test and forcible extinction is required.	NO	NO
4.2 e) Any composite that burns until it is essentially consumed within the test duration relevant to the source	NO	NO
4.2 f) Any composite on which any flame front reaches the lower margins, either side or passes through the full thickness of the specimen within the duration of the test	NO	NO
<b>(C) Mass Loss</b> (Clause 5 in Schedule 1 Part I of UK Regulations)		
If failure against the criteria of clause 4 of BS 5852: Part 2 has occurred but not only by way of damage exceeding the limits defined in Clause 4.1(e), 4.1(f) and 4.2(f) and provided that the resultant mass loss is less than 60g the foam passes the ignitability test.	34.6g	42.5g

### Test Details:

Test	Ignition Source	Duration of			Extent of Damage Component (mm)			Mass loss	Comments and Observations
		Ignition Source	Flames	Smoke	Width	Length	Depth		
1 <sup>st</sup>	5	2min12s	3min56s	6min05s	150	325	75	34.6g	#1
2 <sup>nd</sup>		2min21s	3min57s	6min18s	155	310	75	42.5g	#1



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**Sub-Conclusion: PASS**

Remark: N/A--Not Applicable; N/C--Not Conduct;

#1--Flaming but self-extinguishment;

#2--Flaming and essentially consumed;

#3--Fail, extinguished by operator, escalating flaming combustion;

#4--The first test failed, so retest was not conducted.

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End of report

*The statements of conformity reported have considered the decision rule agreed, namely that Intertek have taken account of measurement uncertainty as calculated by Intertek, and applied according to ILAC-G8/09:2019 (Non-binary acceptance based on guard band  $w = U$ ) except designation from the customer, regulation or test specification. This decision rule only applies to the numeric test results.*

*The sample(s) and sample information hereto are provided by the client who shall be solely responsible for the authenticity and integrity thereof. The results shown in this report relate only to the sample(s) tested. It is not intended to be a recommendation for any particular course of action. Intertek does not accept a duty of care or any other responsibility to any person other than the Client in respect of this report and only accepts liability to the Client insofar as is expressly contained in the terms and conditions governing Intertek's provision of services to you. Intertek makes no warranties or representations either express or implied with respect to this report save as provided for in those terms and conditions. We have aimed to conduct the Review on a diligent and careful basis and we do not accept any liability to you for any loss arising out of or in connection with this report, in contract, tort, by statute or otherwise, except in the event of our gross negligence or wilful misconduct. This report shall not be reproduced unless with prior written approval from Intertek Testing Services Shenzhen Limited, Guangzhou Branch.*

