

TEST REPORT

Hardline Laboratory

Report No. : HL70407/2023

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Date : AUG. 08, 2023

Krall+Roth Asia Pte. Ltd.

4 Chang South Lane, # 05-04 Nan Wah Building, Singapore 486127

The following merchandise was submitted and identified by the applicant as:

Product Description: K+R mash

Style/Item No.: 4780

Country of Origin: Taiwan

We have tested the submitted sample(s) as requested and the following results were obtained:

Test Requested: BS EN 1021-1 :2014 Furniture- Assessment of the ignitability of upholstered furniture


Test Method & Result: ---See following sheet(s)---

Date of Receipt: Jul. 31, 2023

Testing Period: Jul. 31, 2023 ~ Aug. 04, 2023

Conclusions: The submitted sample(s) **complies with** the requirements when tested in accordance to BS EN 1021-1:2014 Furniture- Assessment of the ignitability of upholstered furniture.

Signed for and on behalf of
SGS Taiwan Ltd.


Lawrence Yang
Asst. Manager



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Test Method & Result:

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General Information:

Components	Visible Cover		
Color	Black		
Weight /Density	298 g/m ²		
Soaking Condition	<input checked="" type="checkbox"/> YES (Annex D)		<input type="checkbox"/> NO
Precondition	Indoor Ambient Condition		72 h
Conditioning of Test Specimen and Ignition Source(s)	(23±2)°C	RH (50±5)%	24 h
Testing Enclosure (fume cupboard /room)	21°C	RH 60%	---

Note: The filling foam for testing was provided by SGS.

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.

(1) Part 1 Ignition Source: Smouldering Cigarette

Pass

Test Criteria	Results	
	1 st	2 nd
3.1 Progressive Smouldering Cigarette		
a) Any test assembly that displays escalating smouldering combustion behaviour so that it is unsafe to continue the test and active extinction is necessary;	No	No
b) Any test assembly that smoulders until it is largely consumed within the test duration;	No	No
c) Any test assembly 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
d) Any test assembly that smoulders after one hour from the beginning of the test;	No	No
e) Any test assembly that, on final examination shows evidence of active smouldering;	No	No

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3.2 Flaming Ignition		
A flaming ignition is considered to be the occurrence of any flames initiated by a smouldering source.	No	No

9.3 Final examination	
Immediately after completion of the test programme on the assembly, dismantle it and examine it internally for progressive smouldering ignition, if this is found, extinguish the test assembly, and record an ignition and complete the test report.	No Ignition

Test Details of Part 1:

Test	Ignition Source	Time to Extinction after Placement of the Cigarette		Extent of Damage Component (mm)			Comments and Observations
		Flame	Smoke	Width	Length	Depth	
1 st	0	0 s	17 min 43 s	20	67	8	#2
2 nd	0	0 s	22 min 16 s	18	65	10	#2

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

- #1—Cigarette fails to smoulder its complete length;
- #2—Cigarette passes to smoulder its complete length, but the sample was not ignition;
- #3—Flaming but self-extinguishment;
- #4—Flaming and essentially consumed;
- #5—Extinguished by operator, escalating flaming combustion;
- #6—The first test failed, so retest was not conducted.

- Note:**
- The content of this report is invalid if it is not presented as the entire report.
 - The decision rule of the statements of conformity is following the ILAC G8:09/2019 by using the simple acceptance decision rule.

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– Picture(s) –



Photo A: Appearance of the sample(s)

--- End of Report ---